

DIABETES

LITERATURE INDEX

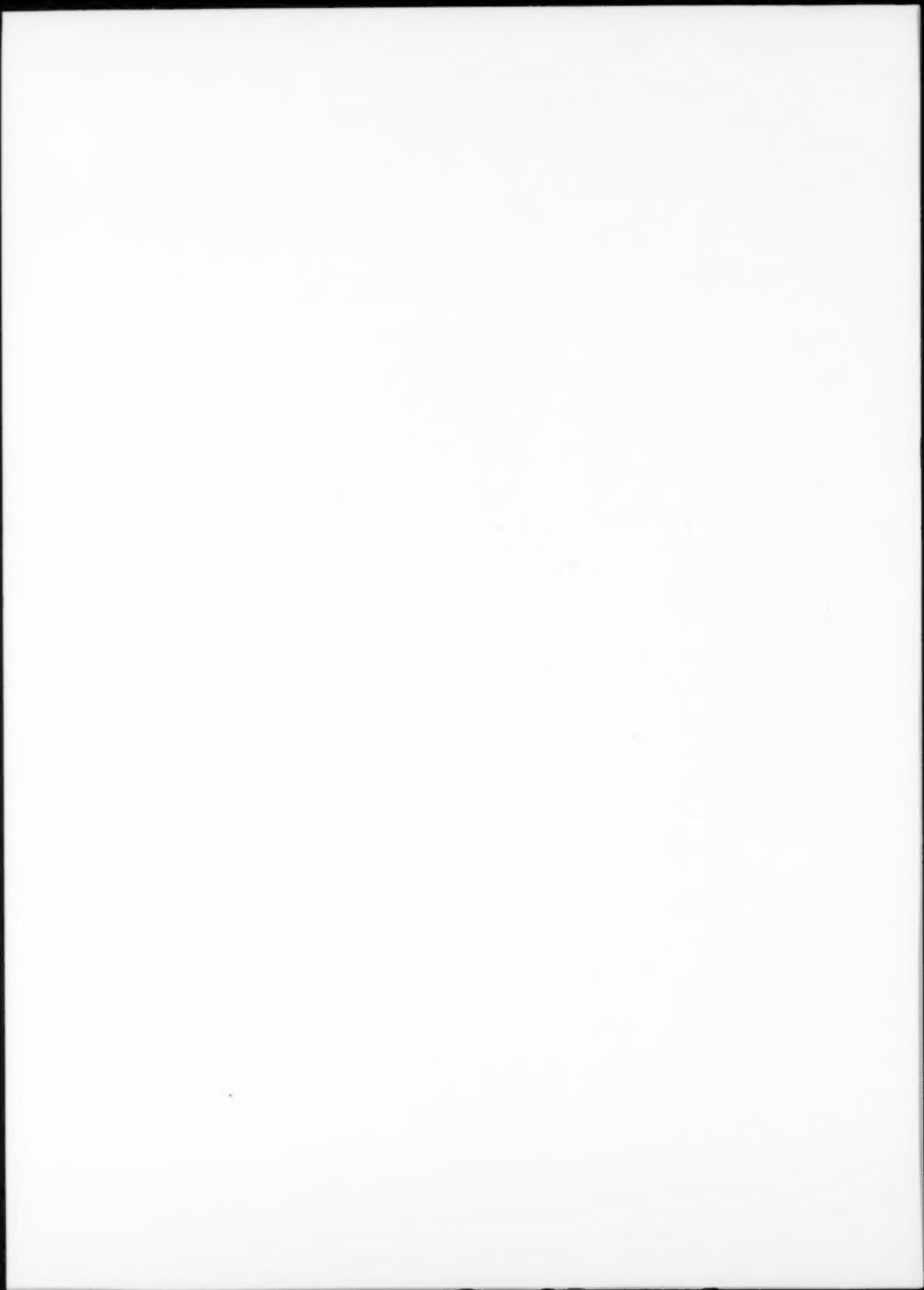
NATIONAL INSTITUTE OF ARTHRITIS, METABOLISM, AND DIGESTIVE DISEASES

**U.S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE**

Public Health Service

National Institutes of Health

**JANUARY 1976
VOLUME 11, NO. 1**



DIABETES LITERATURE INDEX

(By Authors, Hierarchy, and by Keywords in the Title)

A monthly publication of the
National Institute of Arthritis, Metabolism, and Digestive Diseases

Editors

Joseph Izzo, M.D., Rochester, N.Y.

Editorial Advisors

Jerome W. Conn, M.D., Ann Arbor, Michigan
Sherwin J. Cooperstein, Ph.D., Hartford, Conn.
Thaddeus S. Danowski, M.D., Pittsburgh
Peter H. Forsham, M.D., San Francisco
Irving Graef, M.D., New York, N.Y.
Reginald E. Haist, M.D., Toronto
Paul E. Lacy, M.D., St. Louis
Sidney Lerman, M.D., Rochester, N.Y.
Rachmiel Levine, M.D., Duarte, California
Rolf Luft, M.D., Stockholm
Max Miller, M.D., Cleveland
Laurentius O. Underdahl, M.D., Rochester, Minn.
Sidney Weinhouse, M.D., Philadelphia
Frank G. Young, Ph.D., D.Sc., Cambridge, England

Order of Arrangement

Arrangement of hierarchy
MEDLARS terms included in hierarchy
Hierarchical Subject Index
Keyword Index
Author Index

Prepared for the
National Institute of Arthritis, Metabolism, and Digestive Diseases
through the cooperative efforts of the
University of Minnesota and the University of Rochester
pursuant to a contract with the
PHS, USDHEW, PH43-67-663

DHEW Publication No. (NIH) 76-303

PREFACE

Diabetes Literature Index is a publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases which has been prepared from MEDLARS (Medical Literature Analysis and Retrieval System) tapes furnished by the National Library of Medicine. This specialized information medium is being published to fill an existing great need in the field of diabetes and to assist the Institute in meeting its obligations to foster and support laboratory and clinical research into the nature, causes, and therapy for diabetes. Publication of *Diabetes Literature Index* makes available an index of all current scientific papers relevant to this field from the world literature.

It is hoped that the issuing of *Diabetes Literature Index* under the auspices of the National Institute of Arthritis, Metabolism, and Digestive Diseases will provide a much needed current awareness tool to scientists and will facilitate greater integration of research and clinical efforts in this field. *Diabetes Literature Index* has been published monthly since January 1966 and is cumulated at the end of each calendar year.

This publication is available free to National Institutes of Health grantees and contractors working in the field of diabetes, and libraries of medical schools. Requests from these *qualified* individuals to receive free copies of this publication must include their grant or contract number and the title of their project. These requests as well as address changes and other communications from these qualified recipients of free copies should be addressed to:

Scientific Communications Office
Diabetes Literature Index
National Institute of Arthritis,
Metabolism, and Digestive Diseases
Building 31, Room 9A-03
Bethesda, Maryland 20014

Other individuals and other libraries may receive this publication by subscribing *directly* to the Superintendent of Documents. Subscription price per year in the United States, Canada, and Mexico, \$26.50 (cumulative index issue not included; will be on sale, price to be determined later); foreign, \$6.65 additional; and \$2.25 for a single copy. Payment is required in advance, and check or money order should be made payable to the Superintendent of Documents. Address changes for subscribers should be sent *directly* to:

Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

The Secretary of the Department of Health, Education, and Welfare has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through April 30, 1978

EDITORIAL NOTE

Diabetes Literature Index, a publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases (NIAMDD), was brought about through the cooperative efforts of two divisions of the National Institutes of Health (NIAMDD and the National Library of Medicine), a professional society (American Diabetes Association), three Universities (University of Minnesota, University of Rochester, and Case Western Reserve University) as well as a number of individual scientists. In this rather unique cooperative project, initiated in 1958, duplication of effort has been reduced to a minimum. The digital information generated from the original input of bibliographic citations to the National Library of Medicine's MEDLARS system is processed by computer in several different ways and ultimately used to compose the final printed pages of this *Diabetes Literature Index*.

Each month the MEDLARS magnetic tape furnished by the National Library of Medicine (NLM) is used for identification of the diabetes related literature. All bibliographic citations classified under subject headings which we have designated as Priority I, represent articles that are 100% diabetes-related; they are automatically copied onto a new magnetic tape and constitute over seventy percent of the citations appearing in this index. The citations appearing under Priority II and III are subject headings which include both diabetes-related and unrelated articles; these are printed on cards by the computer. The diabetes related citations are identified manually and the corresponding digital information is added to the next month's Priority I magnetic tape.

In the selection of this bibliography, diabetes-related literature has been defined in a rather arbitrary but broad, comprehensive manner with a view toward providing the widest possible coverage of related areas. To this end the following subjects have been included: the Islets of Langerhans in the pancreas, including their structure and pathologic alterations; insulin, its properties, assay, synthesis, release or degradation; the direct and indirect effects of insulin on target organs; blood glucose level, hyper- and hypo-glycemia; insulin antibodies and insulin resistance; insulin allergy; recent developments in intermediary metabolism; experimental and clinical as-

pects of diabetes, signs, symptoms, diagnosis, treatment, complications, and associated conditions. Also included are other hormones and agents whose effects are similar, opposite, synergistic or antagonistic to insulin, either in their primary or secondary effects on target organs. It should be noted that there are undoubtedly some omissions due to the empirical definition of the diabetes-related literature which was adopted and also to the difficulties attendant in preparing such a large-scale bibliography by machine.

The *Diabetes Literature Index* is published in three formats: a hierarchical subject index, a key word in title index, and an author index. The magnetic tape version of these indexes, prepared at the University of Minnesota, is used to generate the copy for offset printing by the Government Printing Office on their Linotron.

Hierarchical Subject Index: This index differs from *Index Medicus* in that related terms are grouped together in a hierarchical relationship. Thus, all citations which are indexed under blood sugar, glucose tolerance, hyperglycemia, hypoglycemia, and glycosuria are grouped under the general heading "blood sugar, urine sugar and related topics." In both the Diabetes Key Word Index and in *Index Medicus* these terms are arranged alphabetically, and the corresponding citations are distributed at many different page locations. In some instances where only a few citations appear under several similar subject headings, these are grouped together under a more generic term; at times, a new non-MEDLARS index term is created to cover these groupings of subject headings. In some instances where many citations appear under a single subject heading, these are subdivided by using subheadings.

Although the hierarchical subject index is, in a sense, a miniaturized version of *Index Medicus* (dealing with the core diabetes literature) it provides a much greater depth of indexing. Many relevant citations included in the *Diabetes Literature Index* do not appear under the corresponding subject headings in *Index Medicus*; because of space limitations, only two or three of the ten or more index terms included on the MEDLARS magnetic tape are used in the printed version of *Index Medicus*. At times the reason why a given citation appears under a specific subject

heading may not be apparent from the article title. However, examination of the list of index terms for this citation (included in the Author Index under the principal author) will give the basis for this inclusion.

Beginning with the January 1971 issue, two sections are included in the Hierarchical Subject Index. In *Section 1*, "Diabetes Mellitus and Related Topics," the major subdivisions include the MEDLARS terms: Islets of Langerhans, Pancreas, Insulin, Glucagon, Blood and Urine Sugar; the subsection on "Diabetes," (Section 1.F) is extensively subdivided and many subheadings are used. In *Section 2*, "Endocrinology" is divided into subsections dealing with the individual endocrine glands. Hierarchical subject indexes related to Biochemistry and the organ systems (included in the experimental issues, published in February and March, 1969) are not included at this time; terms related to these subjects are, however, included in the Keyword Index.

A list of the subject headings included in the tree structure of the hierarchy (with their corresponding index numbers) and an alphabetic cross index of these subject headings is printed immediately preceding the Hierarchical Subject Index.

Key Word Index: For all of the diabetes-related literature chosen, key words in the title are identified by the computer and an expanded magnetic tape is prepared, listing the complete bibliographic citation under each key word. Most editorial decisions are made by the computer-disk-look-up-program using a master list of terms. Trivial words are deleted and specific word combinations are also selected. Abbreviations and word variant forms are replaced by the more commonly used key word. Inconsistencies between the British and American spellings are eliminated. In no case, however, is a change made within

the title itself. Words which have not appeared previously in the system are identified by the computer program and flagged for human decision.

With the publication of the hierarchical subject index, the key word index has been shortened. Diabetes is not included as a term in the key word index as it is covered in great detail in the hierarchical subject index. Although users may find the hierarchical subject index more useful for coverage of their broad interests, the key word index is advantageous in locating citations dealing with very specific terms—for example those relating to biochemistry or the organ systems. The key word index is of special value in locating citations dealing with the frontiers of diabetes research, for new terms appearing in the title are immediately included in the key word index.

Author Index: Because of space limitations, the printed version of *Index Medicus* excludes all but the first three authors in multiple author publications. However since the last author is often the best known, this name may be the most useful for reference or retrieval; therefore, all authors are included in the Diabetes Literature Author Index. These are automatically identified by the computer program and an alphabetized magnetic tape is prepared in which the complete bibliographic citation is included under each author. In addition, all of the index terms used by the NLM for each citation are listed under the principal author, thus providing an overview of the subject content of the article.

Users planning to systematically cover all articles appearing in a given month may do so by scanning the author index, limiting their perusal to the principal author, i.e., those citations which contain the MEDLARS index terms.

Arrangement of the Hierarchical Index

1	SECTION 1. DIABETES MELLITUS AND RELATED TOPICS	1.E.3.5	HYPERGLYCEMIA, DRUG THERAPY
1.A	ISLANDS OF LANGERHANS	1.E.3.6	HYPERGLYCEMIA, ETIOLOGY
1.A.1	ISLANDS OF LANGERHANS, ANATOMY RELATED	1.E.3.7	HYPERGLYCEMIA, METABOLISM
1.A.2	ISLANDS OF LANGERHANS, BIOCHEMISTRY RELATED	1.E.3.8	HYPERGLYCEMIA, PHYSIOPATHOLOGY
1.A.3	ISLANDS OF LANGERHANS, PHYSIOLOGY RELATED	1.E.3.9	HYPERGLYCEMIA, URINE
1.A.4	ISLANDS OF LANGERHANS, PHARMACOLOGY RELATED	1.E.4	GLYCOSURIA
1.A.5	ISLANDS OF LANGERHANS, PATHOLOGY RELATED	1.E.4.1	GLYCOSURIA, CHEMICALLY INDUCED
1.B	PANCREAS	1.E.4.2	GLYCOSURIA, COMPLICATIONS
1.B.1	PANCREAS, ANATOMY RELATED	1.E.4.3	GLYCOSURIA, DIAGNOSIS
1.B.2	PANCREAS, BIOCHEMISTRY RELATED	1.E.4.4	GLYCOSURIA, DRUG THERAPY
1.B.3	PANCREAS, PHYSIOLOGY RELATED	1.E.4.5	GLYCOSURIA, ENZYMOLOGY
1.B.4	PANCREAS, PHARMACOLOGY RELATED	1.E.4.6	GLYCOSURIA, ETIOLOGY
1.B.5	PANCREAS, PATHOLOGY RELATED	1.E.4.7	GLYCOSURIA, METABOLISM
1.B.6	PANCREAS, SURGERY RELATED	1.E.4.8	GLYCOSURIA, OCCURRENCE
1.B.6.1	PANCREAS, TRANSPLANTATION	1.E.5	GLYCOSURIA, RENAL
1.B.6.2	PANCREATECTOMY	1.E.6	HYPOGLYCEMIA
1.C	INSULIN	1.E.6.1	HYPOGLYCEMIA, BLOOD
1.C.1	INSULIN, BIOCHEMISTRY RELATED	1.E.6.2	HYPOGLYCEMIA, CHEMICALLY INDUCED
1.C.1.1	INSULIN, ISOLATION AND PURIFICATION	1.E.6.3	HYPOGLYCEMIA, COMPLICATIONS
1.C.1.2	INSULIN, ANALYSIS	1.E.6.4	HYPOGLYCEMIA, DIAGNOSIS
1.C.1.3	INSULIN, CHEMICAL SYNTHESIS	1.E.6.5	HYPOGLYCEMIA, DRUG THERAPY
1.C.1.4	INSULIN, BIOSYNTHESIS	1.E.6.6	HYPOGLYCEMIA, ETIOLOGY
1.C.1.5	INSULIN, METABOLISM	1.E.6.7	HYPOGLYCEMIA, METABOLISM
1.C.1.6	INSULIN, BLOOD	1.E.6.8	HYPOGLYCEMIA, PHYSIOPATHOLOGY
1.C.1.7	INSULIN, URINE	1.E.6.9	HYPOGLYCEMIA, THERAPY
1.C.2	INSULIN, PHYSIOLOGY RELATED	1.F	DIABETES
1.C.2.1	INSULIN, PHYSIOLOGY	1.F.1	ALLOXAN DIABETES (SEE SEC. 1.F.10.2)
1.C.2.2	INSULIN, SECRETION	1.F.2	DIABETES MELLITUS
1.C.3	INSULIN, PHARMACOLOGY RELATED	1.F.2.1	DIABETES MELLITUS, JUVENILE
1.C.3.1	INSULIN, PHARMACODYNAMICS	1.F.3	DIABETES, BIOCHEMISTRY RELATED
1.C.3.2	INSULIN, ANTAGONISTS AND INHIBITORS	1.F.3.1	DIABETES, METABOLISM
1.C.3.3	INSULIN, ADVERSE EFFECTS	1.F.3.2	DIABETES, ENZYMOLOGY
1.C.4	HYPERINSULINISM	1.F.3.3	DIABETES, BLOOD
1.C.4.1	INSULIN COMA	1.F.3.4	DIABETES, URINE
1.C.5	INSULIN ANTIBODIES	1.F.4	DIABETES, PHYSIOPATHOLOGY
1.C.6	INSULIN RESISTANCE	1.F.5	DIABETES, IMMUNOLOGY
1.C.7	INSULIN, THERAPY RELATED	1.F.6	DIABETES COMPLICATIONS AND PATHOLOGY
1.C.7.1	INSULIN, DIAGNOSTIC USE	1.F.6.1	DIABETIC KETOACIDOSIS
1.C.7.2	INSULIN ADMINISTRATION AND DOSAGE (SEE 1.F.9.3.1)	1.F.6.1.1	ACIDOSIS, DIABETIC
1.C.7.3	INSULIN, THERAPEUTIC USE (SEE 1.F.9.3.2)	1.F.6.1.2	DIABETIC COMA
1.C.8	INSULIN, HISTORY	1.F.6.2	DIABETIC ANGIOPATHIES
1.D	GLUCAGON	1.F.6.3	DIABETIC NEPHROPATHIES
1.D.1	GLUCAGON, BIOCHEMISTRY RELATED	1.F.6.4	DIABETIC NEUROPATHIES
1.D.1.1	GLUCAGON, ANALYSIS	1.F.6.5	DIABETIC RETINOPATHY
1.D.1.2	GLUCAGON, METABOLISM	1.F.6.6	OTHER COMPLICATIONS OF DIABETES
1.D.1.3	GLUCAGON, BLOOD	1.F.6.7	DIABETES PATHOLOGY
1.D.2	GLUCAGON, PHYSIOLOGY RELATED	1.F.6.8	PREGNANCY IN DIABETES
1.D.2.1	GLUCAGON, PHYSIOLOGY	1.F.7	DIABETES OCCURRENCE, ETIOLOGY AND RELATED TERMS
1.D.2.2	GLUCAGON, SECRETION	1.F.7.1	DIABETES, OCCURRENCE
1.D.3	GLUCAGON, PHARMACOLOGY RELATED	1.F.7.2	DIABETES, ETIOLOGY
1.D.3.1	GLUCAGON, ADMINISTRATION AND DOSAGE	1.F.7.3	DIABETES, CONGENITAL
1.D.3.2	GLUCAGON, PHARMACODYNAMICS	1.F.7.4	DIABETES, FAMILIAL AND GENETIC
1.D.3.3	GLUCAGON, TOXICITY	1.F.7.5	PREDIABETIC STATE
1.D.4	GLUCAGON, THERAPY RELATED	1.F.8	DIABETES, DIAGNOSIS RELATED
1.D.4.1	GLUCAGON, DIAGNOSTIC USE	1.F.8.1	GLUCOSE TOLERANCE TEST (SEE SEC. 1.E.2)
1.D.4.2	GLUCAGON, THERAPEUTIC USE	1.F.8.2	DIABETES, DIAGNOSIS
1.E	BLOOD SUGAR, URINE SUGAR AND RELATED TOPICS	1.F.9	DIABETES, THERAPY RELATED
1.E.1	BLOOD SUGAR	1.F.9.1	DIABETES, PREVENTION AND CONTROL
1.E.1.1	BLOOD SUGAR, ANALYSIS	1.F.9.2	DIABETES, NUTRITION AND DIET THERAPY
1.E.1.2	BLOOD SUGAR, BIOSYNTHESIS	1.F.9.2.1	OBESITY IN DIABETES
1.E.1.3	BLOOD SUGAR, METABOLISM	1.F.9.2.2	GLUCOSE, THERAPEUTIC USE
1.E.1.4	BLOOD SUGAR, PHARMACODYNAMICS	1.F.9.2.3	DIET
1.E.2	GLUCOSE TOLERANCE TEST	1.F.9.2.4	DIABETIC DIET
1.E.3	HYPERGLYCEMIA	1.F.9.2.5	DIETARY CARBOHYDRATES
1.E.3.1	HYPERGLYCEMIA, BLOOD	1.F.9.2.6	DIETARY FATS
1.E.3.2	HYPERGLYCEMIA, CHEMICALLY INDUCED	1.F.9.2.7	CYCLAMATES
1.E.3.3	HYPERGLYCEMIA, COMPLICATIONS	1.F.9.2.8	SACCHARIN
1.E.3.4	HYPERGLYCEMIA, DIAGNOSIS	1.F.9.3	DIABETES, INSULIN AND THERAPY

Arrangement of the Hierarchical Index

1.F.9.3.1	INSULIN, ADMINISTRATION AND DOSAGE	2.G.2.6	JUVENILE HORMONES
1.F.9.3.2	INSULIN, THERAPEUTIC USE	2.G.3	CHROMAFFIN SYSTEM
1.F.9.4	DIABETES, ANTIDIABETICS AND THERAPY	2.G.4	PINEAL BODY
1.F.9.4.1	ANTIDIABETICS	2.G.5	PITUITARY-ADRENAL SYSTEM
1.F.9.4.2	TOLBUTAMIDE	2.G.6	SECRETORY RATE
1.F.9.4.3	OTHER SULFONYL-UREA DERIVATIVES		
1.F.9.4.4	PHENFORMIN		
1.F.9.4.5	OTHER BIGUANIDES		
1.F.9.5	DIABETES DRUG THERAPY		
1.F.9.6	DIABETES THERAPY		
1.F.9.7	DIABETES, RADIOGRAPHY		
1.F.9.8	DIABETES, SURGERY		
1.F.9.9	DIABETES, MORTALITY		
1.F.10	DIABETES, EXPERIMENTAL		
1.F.10.1	DIABETES, CHEMICALLY INDUCED		
1.F.10.2	ALLOXAN DIABETES		
1.F.10.2.1	ALLOXAN DIABETES, BLOOD		
1.F.10.2.2	ALLOXAN DIABETES, DRUG THERAPY		
1.F.10.2.3	ALLOXAN DIABETES, ENZYMOLOGY		
1.F.10.2.4	ALLOXAN DIABETES, METABOLISM		
1.F.10.2.5	ALLOXAN DIABETES, PATHOLOGY		
1.F.10.2.6	ALLOXAN DIABETES, PHYSIOPATHOLOGY		
1.F.11	DIABETES, VETERINARY		
1.F.12	DIABETES, HISTORY		
2	SECTION 2. ENDOCRINOLOGY AND RELATED TOPICS		
2.A	ENDOCRINE PANCREAS		
2.A.1	ISLETS (SEE SEC. 1.A)		
2.A.2	INSULIN (SEE SEC. 1.C)		
2.A.3	GLUCAGON (SEE SEC. 1.D)		
2.B	ADRENAL GLANDS		
2.B.1	ADRENAL CORTEX		
2.B.2	ADRENAL CORTEX HORMONES		
2.B.2.1	GLUCOCORTICOIDS		
2.B.2.1.1	CORTISONE		
2.B.2.1.2	HYDROCORTISONE		
2.B.2.1.3	OTHER GLUCOCORTICOIDS		
2.B.2.2	MINERALOCORTICOIDS		
2.B.3	ADRENAL MEDULLA		
2.B.3.1	EPINEPHRINE		
2.B.3.2	NOREPINEPHRINE		
2.B.4	ADRENALECTOMY		
2.B.5	ADRENAL DISORDERS		
2.C	THYROID GLAND		
2.C.1	THYROID HORMONES		
2.C.2	THYROID ANTAGONISTS		
2.C.3	THYROID DISORDERS		
2.D	PARATHYROID GLANDS		
2.E	PITUITARY GLAND		
2.E.1	PITUITARY HORMONES, ANTERIOR		
2.E.1.1	CORTICOTROPIN		
2.E.1.2	SOMATOTROPIN		
2.E.1.3	THYROTROPIN		
2.E.1.4	GONADOTROPINS, PITUITARY		
2.E.2	PITUITARY HORMONES, POSTERIOR		
2.E.3	PITUITARY HORMONES, INTERMEDIATE		
2.E.4	PITUITARY HORMONE RELEASING FACTORS		
2.E.5	HYPOPHYSECTOMY		
2.E.6	PITUITARY DISORDERS		
2.F	GONADS		
2.F.1	OVARY		
2.F.2	TESTIS		
2.F.3	SEX HORMONES		
2.F.3.1	ANDROGENS		
2.F.3.2	ESTROGENS		
2.F.3.3	CORPUS LUTEUM AND PROGESTATIONAL HORMONES		
2.F.3.3.1	CORPUS LUTEUM HORMONES		
2.F.3.3.2	PROGESTATIONAL HORMONES		
2.F.3.4	CONTRACEPTIVES, ORAL		
2.F.4	GONADAL DISORDERS		
2.G	OTHER ENDOCRINES AND RELATED TERMS		
2.G.1	ENDOCRINE GLANDS		
2.G.2	HORMONES		
2.G.2.1	GASTROINTESTINAL HORMONES		
2.G.2.2	PROSTAGLANDINS		
2.G.2.3	HORMONES, ECTOPIC		
2.G.2.4	PLACENTAL HORMONES		
2.G.2.5	RELAXIN		

MEDLARS Terms Included in Hierarchical Index

ACETOHexamide	1.F.9.4.3 OTHER SULFONYL-UREA DERIVATIVES	PATHOLOGY	1.F.6.7 DIABETES PATHOLOGY
ACIDOSIS	1.F.6.1.1 ACIDOSIS, DIABETIC	PHYSIOPATHOLOGY	1.F.4 DIABETES, PHYSIOPATHOLOGY
ACIDOSIS, DIABETIC	1.F.6.1.1 ACIDOSIS, DIABETIC	PREVENTION & CONTROL	1.F.9.1 DIABETES, PREVENTION AND CONTROL
ACROMEGALY	2.E.6 PITUITARY DISORDERS	RADIOGRAPHY	1.F.9.7 DIABETES, RADIOGRAPHY
ADISON'S DISEASE	2.B.5 ADRENAL DISORDERS	SURGERY	1.F.9.8 DIABETES, SURGERY
ADRENAL CORTX HORMONES	2.B.2 ADRENAL CORTX HORMONES	THERAPY	1.F.9.6 DIABETES THERAPY
ADRENAL GLAND HYPERFUNCTION	2.B.5 ADRENAL DISORDERS	URINE	1.F.3.4 DIABETES, URINE
ADRENAL GLAND HYPOfUNCTION	2.B.5 ADRENAL DISORDERS	VETERINARY	1.F.11 DIABETES, VETERINARY
ADRENAL GLANDS	2.B ADRENAL GLANDS	DIABETES MELLITUS, JUVENILE	1.F.2.1 DIABETES MELLITUS, JUVENILE
ADRENAL MEDULLA	2.B.3 ADRENAL MEDULLA	BLOOD	1.F.3.3 DIABETES, BLOOD
ADRENALECTOMY	2.B.4 ADRENALECTOMY	CHEMICALLY INDUCED	1.F.10.1 DIABETES, CHEMICALLY INDUCED
ADRENOGENITAL SYNDROME	2.F.4 GONADAL DISORDERS	COMPLICATIONS	1.F.6.6 OTHER COMPLICATIONS OF DIABETES
	2.B.5 ADRENAL DISORDERS	CONGENITAL	1.F.7.3 DIABETES, CONGENITAL
	2.B.2.2 MINERALCORTICOIDs	DIAGNOSIS	1.F.8.2 DIABETES, DIAGNOSIS
	1.F.10.2 ALLOXAN DIABETES	DRUG THERAPY	1.F.9.5 DIABETES DRUG THERAPY
ALDOSTERONE	1.F.10.2.1 ALLOXAN DIABETES, BLOOD	ENZYMOLOGY	1.F.3.2 DIABETES, ENZYMOLOGY
ALLOXAN DIABETES	1.F.10.2.2 ALLOXAN DIABETES, DRUG THERAPY	ETIOLOGY	1.F.7.2 DIABETES, ETIOLOGY
BLOOD	1.F.10.2.3 ALLOXAN DIABETES, ENZYMOLOGY	FAMILIAL & GENETIC	1.F.7.4 DIABETES, FAMILIAL AND GENETIC
DRUG THERAPY	1.F.10.2.4 ALLOXAN DIABETES, METABOLISM	HISTORY	1.F.12 DIABETES, HISTORY
ENZYMOLOGY	1.F.10.2.5 ALLOXAN DIABETES, PATHOLOGY	IMMUNOLOGY	1.F.5 DIABETES, IMMUNOLOGY
METABOLISM	1.F.10.2.6 ALLOXAN DIABETES, PHYSIOPATHOLOGY	METABOLISM	1.F.3.1 DIABETES, METABOLISM
PATHOLOGY	1.F.6.8 PREGNANCY IN DIABETES	MORTALITY	1.F.9.9 DIABETES, MORTALITY
PHYSIOPATHOLOGY	2.F.3.1 ANDROGENS	OCCURRENCE	1.F.7.1 DIABETES, OCCURRENCE
AMNIocENTESIS	2.F.3.1 ANDROGENS	PATHOLOGY	1.F.6.7 DIABETES PATHOLOGY
ANABOLIC STEROIDS	2.F.3.1 ANDROGENS	PHYSIOPATHOLOGY	1.F.4 DIABETES, PHYSIOPATHOLOGY
ANDROGENS	2.B.7.1.3 OTHER GLUCOCORTICOIDs	PREVENTION & CONTROL	1.F.9.1 DIABETES, PREVENTION AND CONTROL
ANDROSTERONE	1.F.9.4.1 ANTIABETICS	RADIOGRAPHY	1.F.9.7 DIABETES, RADIOGRAPHY
	1.F.6.8 PREGNANCY IN DIABETES	SURGERY	1.F.9.8 DIABETES, SURGERY
ANTIABETICS	1.F.6.2 DIABETIC ANGIOPATHIES	THERAPY	1.F.9.6 DIABETES THERAPY
APGAR SCORE	2.B.7.1.3 OTHER GLUCOCORTICOIDs	URINE	1.F.3.4 DIABETES, URINE
ARTERIOSCLEROSIS	1.F.9.4.5 OTHER BIGUANIDES	VETERINARY	1.F.11 DIABETES, VETERINARY
BETAMETHASONE	1.E.1 BLOOD SUGAR	DIABETIC ANGIOPATHIES	1.F.6.2 DIABETIC ANGIOPATHIES
BIGUANIDES	1.E.1.1 BLOOD SUGAR, ANALYSIS	DIABETIC COMA	1.F.6.1.2 DIABETIC COMA
BLOOD SUGAR	1.E.1.2 BLOOD SUGAR, BIOSYNTHESIS	DIABETIC DIET	1.F.9.2.4 DIABETIC DIET
ANALYSIS	1.E.1.3 BLOOD SUGAR, METABOLISM	DIABETIC NEPHROPATHIES	1.F.6.3 DIABETIC NEPHROPATHIES
BIOSYNTHESIS	1.E.1.4 BLOOD SUGAR, PHARMACODYNAMICS	DIABETIC NEUROPATHIES	1.F.6.4 DIABETIC NEUROPATHIES
METABOLISM	2.C.1 THYROID HORMONES	DIABETIC RETINOPATHY	1.F.6.5 DIABETIC RETINOPATHY
PHARMACODYNAMICS	1.F.9.4.3 OTHER SULFONYL-UREA DERIVATIVES	DIEt	1.F.9.2.3 DIEt
CALCITONIN	2.F.3.3.2 PROGESTATIONAL HORMONES	DIEt, ATHEROGENIC	1.F.9.2.3 DIEt
CARBUTAMIDE	2.F.3.2 ESTROGENS	DIEt, REDUCING	1.F.9.2.3 DIEt
CHLORMADONONE	1.F.9.4.3 OTHER SULFONYL-UREA DERIVATIVES	DIETARY CARBOHYDRATES	1.F.9.2.5 DIETARY CARBOHYDRATES
CHLORTRIANSENE	2.G.2.1 GASTROINTESTINAL HORMONES	DIETARY FATS	1.F.9.2.6 DIETARY FATS
CHLORPROPAMIDE	1.F.9.2.6 DIETARY FATS	DIETHYLSYLBESTROL	2.F.3.2 ESTROGENS
CHOLECYSTOKININ	2.G.3 CHROMAFFIN SYSTEM	DIDROTXYROSE	2.C.1 THYROID HORMONES
CHOLESTEROL, DIETARY	2.F.3.4 CONTRACEPTIVES, ORAL	DWOMOSTANOLONE	2.F.3.1 ANDROGENS
CHROMAFFIN SYSTEM	1.F.6.2 DIABETIC ANGIOPATHIES	DWARFISM, PITUITARY	2.E.6 PITUITARY DISORDERS
CONTRACEPTIVES, ORAL	2.F.1 OVARY	DYDROGESTERONE	2.F.3.3.2 PROGESTATIONAL HORMONES
CORONARY DISEASE	2.F.3.3.1 CORPUS LUTEUM HORMONES	ECDYSONE	2.G.2 HORMONES
CORPUS LUTEUM	2.B.7.1.3 OTHER GLUCOCORTICOIDs	ENDOCRINE DISEASES	2.G.1 ENDOCRINE GLANDS
CORPUS LUTEUM HORMONES	2.E.1.1 CORTICOTROPIN	ENDOCRINE GLANDS	2.G.1 ENDOCRINE GLANDS
CORTICOSTERONE	2.E.4 PITUITARY HORMONE RELEASING FACTORS	ENDOCRINE SYSTEM (NON MESH)	2 SECTION 2. ENDOCRINOLOGY AND RELATED TOPICS
CORTICOTROPIN	2.B.7.1.1 CORTISONE	EPINEPHRINE	2.B.3.1 EPINEPHRINE
CORTICOTROPIN RELEASING HORMONE	2.C.3 THYROID DISORDERS	ESTRADIOL	2.F.3.2 ESTROGENS
CORTISONE	2.B.5 ADRENAL DISORDERS	ESTRIOL	2.F.3.2 ESTROGENS
CRETINISM	1.F.9.2.7 CYCLAMATES	ESTROGENIC SUBSTANCES, CONJUGATED	2.F.3.2 ESTROGENS
CUSHINGS SYNDROME	1.C.2.2 INSULIN, SECRETION	ESTROGENS	2.F.3.2 ESTROGENS
CYCLAMATES	1.C.2.2 INSULIN, SECRETION	ESTRONE	2.F.3.2 ESTROGENS
CYTOCHALASIN B	2.B.2.1.3 OTHER GLUCOCORTICOIDs	ETHINYL ESTRADIOL	2.F.3.2 ESTROGENS
CYTOCHALASINS	2.F.3.1 ANDROGENS	ETHISTERONE	2.F.3.2 ESTROGENS
DEHYDROEPIANDROSTERONE	2.G.2.2 MINERALCORTICOIDs	ETHYLESTRENOL	2.F.3.3.2 PROGESTATIONAL HORMONES
DESOXYCORTICOSTERONE	2.B.2.1.3 OTHER GLUCOCORTICOIDs	ETHYNDIOL DIACETATE	2.F.3.2 ESTROGENS
DEXAMETHASONE	2.E.6 PITUITARY DISORDERS	ETIOCHOLANOLONE	2.F.3.2 ESTROGENS
DIABETES INSIPIDUS	1.F.2 DIABETES MELLITUS	EUNUCHISM	2.F.3.1 ANDROGENS
DIABETES MELLITUS	1.F.3.3 DIABETES, BLOOD	FLUOROCORTISONE	2.F.3.2 ESTROGENS
BLOOD	1.F.10.1 DIABETES, CHEMICALLY INDUCED	FLUOCINOLONE ACETONIDE	2.F.3.3.2 PROGESTATIONAL HORMONES
CHEMICALLY INDUCED	1.F.6.6 OTHER COMPLICATIONS OF DIABETES	FLUOROMETHOLONE	2.B.2.1.3 OTHER GLUCOCORTICOIDs
COMPLICATIONS	1.F.7.3 DIABETES, CONGENITAL	FLUOXYMESTERONE	2.B.2.1.3 OTHER GLUCOCORTICOIDs
CONGENITAL	1.F.8.2 DIABETES, DIAGNOSIS	FLURANDRENOLONE	2.F.3.1 ANDROGENS
DIAGNOSIS	1.F.9.5 DIABETES DRUG THERAPY	FROELICHS SYNDROME	2.B.2.1.3 OTHER GLUCOCORTICOIDs
DRUG THERAPY	1.F.3.2 DIABETES, ENZYMOLOGY	FSH	2.E.6 PITUITARY DISORDERS
ENZYMOLOGY	1.F.7.2 DIABETES, ETIOLOGY	GASTRIN	2.E.1.4 GONADOTROPINS, PITUITARY
ETIOLOGY	1.F.7.4 DIABETES, FAMILIAL AND GENETIC	GASTROINTESTINAL HORMONES	2.G.2.1 GASTROINTESTINAL HORMONES
FAMILIAL & GENETIC	1.F.12 DIABETES, HISTORY		2.G.2.1 GASTROINTESTINAL HORMONES
HISTORY	1.F.5 DIABETES, IMMUNOLOGY		
IMMUNOLOGY	1.F.3.1 DIABETES, METABOLISM		
METABOLISM	1.F.9.5 DIABETES, MORTALITY		
MORTALITY	1.F.7.1 DIABETES, OCCURRENCE		
OCCURRENCE			

MEDLARS Terms Included in Hierarchical Index

GIGANTISM
GLIBENCLAMIDE
GLUCAGON
ADMINISTRATION & DOSAGE

ANALYSIS
BLOOD
DIAGNOSTIC USE
METABOLISM
PHARMACODYNAMICS
PHYSIOLOGY
SECRETION
THERAPEUTIC USE
TOXICITY
GLUCOCORTICIDS
GLUCOSE
THERAPEUTIC USE
GLUCOSE TOLERANCE TEST
GLYCOSURIA
CHEMICALLY INDUCED
COMPLICATIONS
DIAGNOSIS
DRUG THERAPY
ENZYMOLGY
ETIOLOGY
METABOLISM
OCCURRENCE
GLYCOSURIA, RENAL
GOITER, EXOPHTHALMIC
GONADOTROPINS, CHORIONIC
GONADOTROPINS, EQUINE
GONADOTROPINS, PITUITARY
GONADS
GRAAFIAN FOLLICLE
GROWTH DISORDERS
HERMAPHRODITISM
HEXESTROL
HORMONES
HORMONES, ECTOPIC
HYDROCORTISONE
11-HYDROXYCORTICOSTEROIDS
17-HYDROXYCORTICOSTEROIDS
HYDROXYCORTICOSTEROIDS
HYDROXYMETHYLTESTOSTERONE
HYDROXYPROGESTERONE

HYPERALDOSTERONISM

HYPERGLYCEMIA
BLOOD
CHEMICALLY INDUCED
COMPLICATIONS
DIAGNOSIS
DRUG THERAPY
ETIOLOGY
METABOLISM
PHYSIOPATHOLOGY
URINE
HYPERINSULINISM
HYPERPITUITARISM
HYPERTHYROIDISM
HYPOGLYCEMIA
BLOOD
CHEMICALLY INDUCED
COMPLICATIONS
DIAGNOSIS
DRUG THERAPY
ETIOLOGY
METABOLISM
PHYSIOPATHOLOGY
THERAPY

HYPOGLYCEMIC AGENTS (NON MESH)

HYPOGONADISM
HYPOPHYSECTOMY
HYPOPIUITARISM
HYPOTHYROIDISM
INSULIN
ADMINISTRATION & DOSAGE
ADVERSE EFFECTS
ANALYSIS
ANTAGONISTS & INHIBITORS
BIOSYNTHESIS
BLOOD
CHEM SYNTHESIS
DIAGNOSTIC USE
HISTORY
ISOLATION & PURIFICATION
METABOLISM
PHARMACODYNAMICS

2.E.6 PITUITARY DISORDERS
1.F.9.4.3 OTHER SULFONYL-UREA DERIVATIVES
1.D. GLUCAGON
1.D.3.1 GLUCAGON, ADMINISTRATION AND
DOSAGE
1.D.1.1 GLUCAGON, ANALYSIS
1.D.1.3 GLUCAGON, BLOOD
1.D.4.1 GLUCAGON, DIAGNOSTIC USE
1.D.1.2 GLUCAGON, METABOLISM
1.D.3.2 GLUCAGON, PHARMACODYNAMICS
1.D.2.1 GLUCAGON, PHYSIOLOGY
1.D.2.2 GLUCAGON, SECRETION
1.D.4.2 GLUCAGON, THERAPEUTIC USE
1.D.3.3 GLUCAGON, TOXICITY
2.B.2.1 GLUCOCORTICIDS

1.F.9.2.2 GLUCOSE, THERAPEUTIC USE
1.E.2 GLUCOSE TOLERANCE TEST
1.E.4 GLYCOSURIA
1.E.4.1 GLYCOSURIA, CHEMICALLY INDUCED
1.E.4.2 GLYCOSURIA, COMPLICATIONS
1.E.4.3 GLYCOSURIA, DIAGNOSIS
1.E.4.4 GLYCOSURIA, DRUG THERAPY
1.E.4.5 GLYCOSURIA, ENZYMOLOGY
1.E.4.6 GLYCOSURIA, ETIOLOGY
1.E.4.7 GLYCOSURIA, METABOLISM
1.E.4.8 GLYCOSURIA, OCCURRENCE
1.E.5 GLYCOSURIA, RENAL
2.C.3 THYROID DISORDERS
2.G.2.4 PLACENTAL HORMONES
2.G.2.4 PLACENTAL HORMONES
2.E.1.4 GONADOTROPINS, PITUITARY
2.F. GONADS
2.F.1 OVARY
2.E.6 PITUITARY DISORDERS
2.F.4 GONADAL DISORDERS
2.F.3.2 ESTROGENS
2.G.2.4 HORMONES
2.G.2.3 HORMONES, ECTOPIC
2.B.2.1.2 HYDROCORTISONE
2.B.2.1.3 OTHER GLUCOCORTICIDS
2.B.2.1.3 OTHER GLUCOCORTICIDS
2.B.2.1.3 OTHER GLUCOCORTICIDS
2.F.3.1 ANDROGENS
2.B.2.1.3 OTHER GLUCOCORTICIDS
2.F.3.2 PROGESTATIONAL HORMONES
2.B.5 ADRENAL DISORDERS

1.E.3 HYPERGLYCEMIA
1.E.3.1 HYPERGLYCEMIA, BLOOD
1.E.3.2 HYPERGLYCEMIA, CHEMICALLY INDUCED
1.E.3.3 HYPERGLYCEMIA, COMPLICATIONS
1.E.3.4 HYPERGLYCEMIA, DIAGNOSIS
1.E.3.5 HYPERGLYCEMIA, DRUG THERAPY
1.E.3.6 HYPERGLYCEMIA, ETIOLOGY
1.E.3.7 HYPERGLYCEMIA, METABOLISM
1.E.3.8 HYPERGLYCEMIA, PHYSIOPATHOLOGY
1.E.3.9 HYPERGLYCEMIA, URINE
1.E.4 HYPERINSULINISM
2.E.6 PITUITARY DISORDERS
2.C.3 THYROID DISORDERS
1.E.6 HYPOGLYCEMIA, BLOOD
1.E.6.1 HYPOGLYCEMIA, CHEMICALLY INDUCED
1.E.6.2 HYPOGLYCEMIA, COMPLICATIONS
1.E.6.3 HYPOGLYCEMIA, DIAGNOSIS
1.E.6.4 HYPOGLYCEMIA, DRUG THERAPY
1.E.6.5 HYPOGLYCEMIA, ETIOLOGY
1.E.6.6 HYPOGLYCEMIA, METABOLISM
1.E.6.7 HYPOGLYCEMIA, PHYSIOPATHOLOGY
1.E.6.8 HYPOGLYCEMIA, THERAPY
1.E.6.9 HYPOGLYCEMIA, THERAPY
1.E.6.2 HYPOGLYCEMIA, CHEMICALLY INDUCED
2.F.4 GONADAL DISORDERS
2.E.5 HYPOPHYSECTOMY
2.E.6 PITUITARY DISORDERS
2.C.3 THYROID DISORDERS
1.C. INSULIN
1.F.9.3.1 INSULIN, ADMINISTRATION AND DOSAGE
1.C.3.3 INSULIN, ADVERSE EFFECTS
1.C.1.2 INSULIN, ANALYSIS
1.C.3.2 INSULIN, ANTAGONISTS AND INHIBITORS
1.C.1.4 INSULIN, BIOSYNTHESIS
1.C.1.6 INSULIN, BLOOD
1.C.1.3 INSULIN, CHEMICAL SYNTHESIS
1.C.7.1 INSULIN, DIAGNOSTIC USE
1.C.8 INSULIN, HISTORY
1.C.1.1 INSULIN, ISOLATION AND PURIFICATION
1.C.1.5 INSULIN, METABOLISM
1.C.3.1 INSULIN, PHARMACODYNAMICS

PHYSIOLOGY
SECRETION
THERAPEUTIC USE
URINE
INSULIN ANTIBODIES
INSULIN, GLOBIN ZINC
INSULIN, ISOPHANE
INSULIN, LENTE
INSULIN, PROTAMINE ZINC
INSULIN RESISTANCE
INVERTEBRATE HORMONES
ISLANDS OF LANGERHANS
ANALYSIS

ANATOMY & HISTOLOGY

BLOOD SUPPLY

CYTOLOGY

DRUG EFFECTS

EMBRYOLOGY

ENZYMOLGY

GROWTH & DEVELOPMENT

INNERVATION

METABOLISM

PATHOLOGY

PHYSIOLOGY

PHYSIOPATHOLOGY

SECRETION

ISLET CELL TUMOR

JUVENILE HORMONES

17-KETOSTEROIDS

KIMMELSTIEL-WILSON SYNDROME

KLINEFELTERS SYNDROME

LEYDIG CELL TUMOR

LEYDIG CELLS

LH

LH-FSH RELEASING HORMONE

LYNETHENOL

MEDROXYPROGESTERONE

MELANIN

MESTRANOL

METHEXAMIDE

METFORMIN

METHANDROSTENOLONE

METHYLPREDNISOLONE

METHYLTHIOURACIL

MINERALOCORTICIDS

MISH

MYXEDEMA

NANDROLONE

NOREPINEPHRINE

NORETHANDROLONE

NORETHINDRONE

NORETHYNODREL

NORMETHANDROLONE

OBESITY IN DIABETES

OVARIAN CYSTS

OVARIAN DISEASES

OVARIAN NEOPLASMS

OVARY

1.C.2.1 INSULIN, PHYSIOLOGY
1.C.2.2 INSULIN, SECRETION
1.F.9.3.2 INSULIN, THERAPEUTIC USE
1.C.1.7 INSULIN, URINE
1.C.5 INSULIN ANTIBODIES
1.C.4.1 INSULIN COMA
1.F.9.3.2 INSULIN, THERAPEUTIC USE
1.F.9.3.2 INSULIN, THERAPEUTIC USE
1.F.9.3.2 INSULIN, THERAPEUTIC USE
1.F.9.3.2 INSULIN, THERAPEUTIC USE
1.C.6 INSULIN RESISTANCE
2.G.2.3 HORMONES, ECTOPIC
1.A ISLANDS OF LANGERHANS
1.A.2 ISLANDS OF LANGERHANS, BIOCHEMISTRY
RELATED

1.A.1 ISLANDS OF LANGERHANS, ANATOMY
RELATED

1.A.1 ISLANDS OF LANGERHANS, ANATOMY
RELATED

1.A.1 ISLANDS OF LANGERHANS, ANATOMY
RELATED

1.A.4 ISLANDS OF LANGERHANS,
PHARMACOLOGY RELATED

1.A.1 ISLANDS OF LANGERHANS, ANATOMY
RELATED

1.A.2 ISLANDS OF LANGERHANS, BIOCHEMISTRY
RELATED

1.A.1 ISLANDS OF LANGERHANS, ANATOMY
RELATED

1.A.1 ISLANDS OF LANGERHANS, ANATOMY
RELATED

1.A.2 ISLANDS OF LANGERHANS, BIOCHEMISTRY
RELATED

1.A.5 ISLANDS OF LANGERHANS, PATHOLOGY
RELATED

1.A.3 ISLANDS OF LANGERHANS, PHYSIOLOGY
RELATED

1.A.3 ISLANDS OF LANGERHANS, PHYSIOLOGY
RELATED

1.A.3 ISLANDS OF LANGERHANS, PHYSIOLOGY
RELATED

1.A.5 ISLANDS OF LANGERHANS, PATHOLOGY
RELATED

2.G.2.6 JUVENILE HORMONES

2.B.2.1.3 OTHER GLUCOCORTICIDS

1.F.6.3 DIABETIC NEPHROPATHIES

2.F.4 GONADAL DISORDERS

2.F.4 GONADAL DISORDERS

2.F.2 TESTIS

2.E.1.4 GONADOTROPINS, PITUITARY

2.E.1.4 GONADOTROPINS, PITUITARY

2.F.3.3.2 PROGESTATIONAL HORMONES

2.F.3.3.2 PROGESTATIONAL HORMONES

2.E.3 PITUITARY HORMONES, INTERMEDIATE

2.F.3.2 ESTROGENS

1.F.9.4.3 OTHER SULFONYL-UREA DERIVATIVES

1.F.9.4.5 OTHER BIGUANIDES

2.F.3.1 ANDROGENS

2.B.2.1.3 OTHER GLUCOCORTICIDS

2.F.3.1 ANDROGENS

2.C.2 THYROID ANTAGONISTS

2.B.2.2 MINERALOCORTICIDS

2.E.3 PITUITARY HORMONES, INTERMEDIATE

2.C.3 THYROID DISORDERS

2.F.3.1 ANDROGENS

2.B.3.2 NOREPINEPHRINE

2.F.3.1 ANDROGENS

2.F.3.3.2 PROGESTATIONAL HORMONES

2.F.3.3.2 PROGESTATIONAL HORMONES

2.F.3.1 ANDROGENS

1.F.9.2.1 OBESITY IN DIABETES

2.F.1 OVARY

2.F.4 GONADAL DISORDERS

2.F.4 GONADAL DISORDERS

MEDLARS Terms Included in Hierarchical Index

PATHOLOGY	1.B.5 PANCREAS, PATHOLOGY RELATED
PHYSIOLOGY	1.B.3 PANCREAS, PHYSIOLOGY RELATED
PHYSIOPATHOLOGY	1.B.3 PANCREAS, PHYSIOLOGY RELATED
SECRETION	1.B.3 PANCREAS, PHYSIOLOGY RELATED
TRANSPLANTATION	1.B.6.1 PANCREAS, TRANSPLANTATION
PANCREATICTOMY	1.B.6.2 PANCREATICTOMY
PANCREATIC DISEASES	1.B.5 PANCREAS, PATHOLOGY RELATED
PANCREATIC EXTRACTS	1.B.4 PANCREAS, PHARMACOLOGY RELATED
PANCREATIC HORMONES	1.B.2 PANCREAS, BIOCHEMISTRY RELATED
PANCREOZYMIN	2.G.2.1 GASTROINTESTINAL HORMONES
PARAMETHASONE	2.B.2.1.3 OTHER GLUCOCORTICOIDS
PARATHYROID DISEASES	2.D PARATHYROID GLANDS
PARATHYROID GLANDS	2.D PARATHYROID GLANDS
PARATHYROID HORMONE	2.D PARATHYROID GLANDS
PHENFORMIN	1.F.9.4.4 PHENFORMIN
PINEAL BODY	2.G.4 PINEAL BODY
PITUITARY-ADRENAL SYSTEM	2.G.5 PITUITARY-ADRENAL SYSTEM
PITUITARY GLAND	2.E PITUITARY GLAND
PITUITARY HORMONE RELEASING HORMONES	2.E.4 PITUITARY HORMONE RELEASING FACTORS
PITUITARY HORMONES, ANTERIOR	2.E.1 PITUITARY HORMONES, ANTERIOR
PITUITARY HORMONES, POSTERIOR	2.E.2 PITUITARY HORMONES, POSTERIOR
PLACENTA DISORDERS	1.F.6.8 PREGNANCY IN DIABETES
PLACENTAL HORMONES	2.G.2.4 PLACENTAL HORMONES
PREDIABETIC STATE	1.F.7.5 PREDIABETIC STATE
PREDNISOLONE	2.B.2.1.3 OTHER GLUCOCORTICOIDS
PREDNISONE	2.B.2.1.3 OTHER GLUCOCORTICOIDS
PREGNANCY	1.F.6.8 PREGNANCY IN DIABETES
PREGNANCY IN DIABETES	1.F.6.8 PREGNANCY IN DIABETES
PREGNANEDIOL	2.F.3.3.2 PROGESTATIONAL HORMONES
PREGNANETRIOL	2.B.2.1.3 OTHER GLUCOCORTICOIDS
PREGNENOLONE	2.F.3.3.2 PROGESTATIONAL HORMONES
PROGESTATIONAL HORMONES	2.B.2.1.3 OTHER GLUCOCORTICOIDS
PROGESTERONE	2.F.3.3.2 PROGESTATIONAL HORMONES
PROINSULIN	2.F.3.3.2 PROGESTATIONAL HORMONES
PROLACTIN	1.C.1.4 INSULIN, BIOSYNTHESIS
PROPYLTHIOURACIL	2.E.1.4 GONADOTROPINS, PITUITARY
PROSTAGLANDINS	2.C.2 THYROID ANTAGONISTS
PUBERTY, PRECOCIOUS	2.G.2.2 PROSTAGLANDINS
RECEPTORS, HORMONE	2.F.4 GONADAL DISORDERS
RELAXIN	2.G.2 HORMONES
SACCHARIN	2.G.2.5 RELAXIN
SECRETIN	1.F.9.2.8 SACCHARIN
SECRETORY RATE	2.G.2.1 GASTROINTESTINAL HORMONES
SERTOLI CELL TUMOR	2.G.6 SECRETORY RATE
SERTOLI CELLS	2.F.4 GONADAL DISORDERS
SEX DIFFERENTIATION DISORDERS	2.F.2 TESTIS
SEX HORMONES	2.F.4 GONADAL DISORDERS
SHEEHAN'S SYNDROME	2.F.3 SEX HORMONES
SKIN ULCER	2.F.6 PITUITARY DISORDERS
SOMATOTROPIN	1.F.6.2 DIABETIC ANGIOPATHIES
SOMATOTROPIN RELEASING HORMONE	2.E.1.2 SOMATOTROPIN
STANOLONE	2.E.1.2 SOMATOTROPIN
STANZOLOL	2.F.3.1 ANDROGENS
TESTICULAR DISEASES	2.F.3.1 ANDROGENS
TESTICULAR FEMINIZATION	2.F.4 GONADAL DISORDERS
TESTICULAR NEOPLASMS	2.F.4 GONADAL DISORDERS
TESTIS	2.F.4 GONADAL DISORDERS
TESTOSTERONE	2.F.2 TESTIS
THIOCYANATES	2.F.3.1 ANDROGENS
THIOURACIL	2.C.2 THYROID ANTAGONISTS
THIOUREA	2.C.2 THYROID ANTAGONISTS
THYROID ANTAGONISTS	2.C.2 THYROID ANTAGONISTS
THYROID CRISIS	2.C.2 THYROID ANTAGONISTS
THYROID GLAND	2.C.3 THYROID DISORDERS
THYROID HORMONES	2.C THYROID GLAND
THYROIDITIS	2.C.1 THYROID HORMONES
THYROIDITIS, LYMPHOMATOUS	2.C.3 THYROID DISORDERS
THYRONINE	2.C.3 THYROID DISORDERS
THYROTROPIN	2.C.1 THYROID HORMONES
THYROTROPIN RELEASING HORMONE	2.E.1.3 THYROTROPIN
THYROXINE	2.E.4 PITUITARY HORMONE RELEASING FACTORS
TOLAZAMIDE	2.C.1 THYROID HORMONES
TOLBUTAMIDE	1.F.9.4.3 OTHER SULFONYL-UREA DERIVATIVES
TRIAMCINOLONE	1.F.9.4.2 TOLBUTAMIDE
TRIHODOTHYRONINE	2.B.2.1.3 OTHER GLUCOCORTICOIDS
TURNER'S SYNDROME	2.C.1 THYROID HORMONES
VASOPRESSIN	2.F.4 GONADAL DISORDERS
VIRILISM	2.E.2 PITUITARY HORMONES, POSTERIOR
WATERHOUSE-FRIDERICHSEN SYNDROME	2.F.4 GONADAL DISORDERS
	2.B.5 ADRENAL DISORDERS



SECTION 1. DIABETES MELLITUS AND RELATED TOPICS

1.A ISLANDS OF LANGERHANS

SYMPOSIUM III: HORMONES AND HORMONE RECEPTORS. A MORPHOLOGICAL APPROACH TO SURFACE RECEPTORS IN ISLET AND LIVER CELLS. Orcl L, Rufener C, Malaise-Lagae F, Blondel B, Amherdt M, Bataille D, Freychet P, Perrelet A *Isr J Med Sci* 11: 639-55, Jul 75 (Eng)

A MORPHOLOGICAL BASIS FOR INTERCELLULAR COMMUNICATION BETWEEN ALPHA- AND BETA-CELLS IN THE ENDOCRINE PANCREAS. Orcl L, Malaise-Lagae F, Ravazzola M, Rouiller D, Renold AE, Perrelet A, Unger R *J Clin Invest* 56: 1066-70, Oct 75 (Eng)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: GENERAL TOPICS AND SUMMATION. Anonymous *Kidney Int [Suppl]* 179: 86, Oct 74 (Eng)

1.A.1 ISLANDS OF LANGERHANS, ANATOMY RELATED

TRANSPLANTATION OF THE ISLETS OF LANGERHANS AND THE HISTOCOMPATIBILITY OF ENDOCRINE TISSUE. Barker CF *Diabetes* 24: 766-75, Aug 75 (Eng)

SYMPOSIUM II: FETOMATERNAL UNIT IN DIABETES. CLINICAL AND EXPERIMENTAL ASPECTS. FUNCTION OF THE FETAL ENDOCRINE PANCREAS. Asplund K, Andersson A, Jarrouse C, Hellerstrom C *Isr J Med Sci* 11: 581-90, Jun 75 (Eng) [50]

ISLET CELL TRANSPLANTATION. Leonard RJ, Lazarow A, McEvoy RC, Hegre OD *Kidney Int [Suppl]* 169: 78, Oct 74 (Eng)

STUDIES ON THE DEVELOPMENT OF ENDOCRINE GLANDS IN FISHES. III. MORPHOGENESIS OF THE ENDOCRINE PANCREAS IN CLARIAS BATRACHUS L. Belars DK *Z Mikrosk Anat Forsch* 88: 981-6, 1974 (Eng)

OBSERVATIONS ON THE INTRINSIC INNERVATION OF THE ISLET OF LANGERHANS OF RATTUS RATTUS RUFCENS (INDIAN BLACK RAT). Purwar RS *Acta Anat (Basel)* 92: 8-13, 1975 (Eng)

[SIGNIFICANCE OF TISSUE SPECIFICITY FOR THE FREQUENCY OF MITOSIS AND ITS CHANGES (AUTHORS TRANSL.)] Hildebrand R, Ernst H *Anat Anz* 137: 196-9, 1975 (Ger)

[THE FUNCTIONAL CYTOCHEMISTRY OF AMINE PRECURSOR UPTAKE AND DECARBOXYLATION (APUD) CELLS AND ITS USES IN PATHOLOGY] Berger G, Barthelemy C, Tabib A *Ann Anat Pathol (Paris)* 19: 371-98, Oct-Dec 74 (Fre)

1.A.2 ISLANDS OF LANGERHANS, BIOCHEMISTRY RELATED

THE SIGNIFICANCE OF CALCIUM FOR GLUCOSE STIMULATION OF INSULIN RELEASE. Hellman B *Endocrinology* 97: 392-8, Aug 75 (Eng)

REGULATION OF IN VITRO INSULIN RELEASE FROM A TRANSPLANTABLE SYRIAN HAMSTER INSULINOMA. Shapiro S, Eto S, Fleischer N, Baum SG *Endocrinology* 97: 442-7, Aug 75 (Eng)

DECREASED CYCLIC AMP AND INSULIN RESPONSE TO GLUCOSE IN ISOLATED ISLETS OF NEONATAL RATS. Grill V, Asplund K, Hellerstrom C, Cerasi E *Diabetes* 24: 746-52, Aug 75 (Eng)

DEFECTIVE INSULIN SECRETION IN THE SPINY MOUSE (ACOMYS CAHIRINUS). POSSIBLE VALUE IN THE STUDY OF THE PATHOPHYSIOLOGY OF DIABETES. Rabinovitch A, Gutzeit A, Grill V, Kikuchi M, Renold AE, Cerasi E *Isr J Med Sci* 11: 730-7, Jul 75 (Eng)

ISLET CELL TRANSPLANTATION. Leonard RJ, Lazarow A, McEvoy RC, Hegre OD *Kidney Int [Suppl]* 169: 78, Oct 74 (Eng)

CATABOLISM OF PROINSULIN AND INSULIN. PROTEOLYTIC ACTIVITIES IN LANGERHANS ISLETS OF RAT AND MICE PANCREAS IN VITRO. Zuhke H, Jahr H, Schmidt S, Gottschling D, Wilke B, Kansy H, Kaleta C, Pieper I *Acta Biol Med Ger* 33: 407-18, 1974 (Eng)

[THE FUNCTIONAL CYTOCHEMISTRY OF AMINE PRECURSOR UPTAKE AND DECARBOXYLATION (APUD) CELLS AND ITS USES IN PATHOLOGY] Berger G, Barthelemy C, Tabib A *Ann Anat Pathol (Paris)* 19: 371-98, Oct-Dec 74 (Fre)

1.A.3 ISLANDS OF LANGERHANS, PHYSIOLOGY RELATED

THE SIGNIFICANCE OF CALCIUM FOR GLUCOSE STIMULATION OF INSULIN RELEASE. Hellman B *Endocrinology* 97: 392-8, Aug 75 (Eng)

EFFECT OF GLUCOSE AND ANTI-INSULIN SERUM ON INSULIN RELEASED FROM ADULT RAT ISOLATED ISLETS OF LANGERHANS IN LONG-TERM ORGAN CULTURE (FOURTEEN DAYS). Turcot-Lemay L, Lacy PE *Diabetes* 24: 658-63, Jul 75 (Eng)

EFFECT OF LECTINS ON HORMONE RELEASE FROM ISOLATED RAT ISLETS OF LANGERHANS. Ewart RB, Kornfeld S, Kipnis DM *Diabetes* 24: 705-14, Aug 75 (Eng)

EFFECTS OF CYPROHEPTADINE ON INSULIN SECRETION BY ISOLATED PERFUSED RAT ISLETS. Richardson BP, McDaniel ML, Lacy PE *Diabetes* 24: 836-41, Sep 75 (Eng)

SYMPOSIUM II: FETOMATERNAL UNIT IN DIABETES. CLINICAL AND EXPERIMENTAL ASPECTS. FUNCTION OF THE FETAL ENDOCRINE PANCREAS. Asplund K, Andersson A, Jarrouse C, Hellerstrom C *Isr J Med Sci* 11: 581-90, Jun 75 (Eng) [50]

PANCREATIC ENDOCRINE TUMORS--THE RIDDLE OR THEIR ORIGIN AND HORMONE SECRETION. Creutzfeldt W *Isr J Med Sci* 11: 762-76, Jul 75 (Eng)

[STRESS SENSITIVITY AND ADAPTATION] Baumann K *Z Gesamte Inn Med* 30: suppl 017-30 concl, 15 Apr 75 (Ger)

NEW ASPECTS OF THE ROLE OF SEROTONIN IN THE INSULIN RELEASE MECHANISM. Barath P *Acta Diabetol Lat* 11: 315-29, Jul-Aug 74 (Eng)

[PANCREATIC TRANSPLANTATION: ENDOCRINE FUNCTION OF THE GRAFTED PANCREAS. CURRENT DATA AND FUTURE PROSPECTS] Eloy R, Jaeck D, Schang JC, Vannareth T, Gillet M, Grenier JF, Moody AJ *Ann Chir* 29: 559-69, Jun 75 (Fre)

1.A.4 ISLANDS OF LANGERHANS, PHARMACOLOGY RELATED

THE SIGNIFICANCE OF CALCIUM FOR GLUCOSE STIMULATION OF INSULIN RELEASE. Hellman B *Endocrinology* 97: 392-8, Aug 75 (Eng)

REGULATION OF IN VITRO INSULIN RELEASE FROM A TRANSPLANTABLE SYRIAN HAMSTER INSULINOMA. Shapiro S, Eto S, Fleischer N, Baum SG *Endocrinology* 97: 442-7, Aug 75 (Eng)

EFFECT OF GLUCOSE AND ANTI-INSULIN SERUM ON INSULIN RELEASED FROM ADULT RAT ISOLATED ISLETS OF LANGERHANS IN LONG-TERM ORGAN CULTURE (FOURTEEN DAYS). Turcot-Lemay L, Lacy PE *Diabetes* 24: 658-63, Jul 75 (Eng)

EFFECT OF LECTINS ON HORMONE RELEASE FROM ISOLATED RAT ISLETS OF LANGERHANS. Ewart RB, Kornfeld S, Kipnis DM *Diabetes* 24: 705-14, Aug 75 (Eng)

EFFECTS OF CYPROHEPTADINE ON INSULIN SECRETION BY ISOLATED PERFUSED RAT ISLETS. Richardson BP, McDaniel ML, Lacy PE *Diabetes* 24: 836-41, Sep 75 (Eng)

SYMPOSIUM II: FETOMATERNAL UNIT IN DIABETES. CLINICAL AND EXPERIMENTAL ASPECTS. FUNCTION OF THE FETAL ENDOCRINE PANCREAS. Asplund K, Andersson A, Jarrouse C, Hellerstrom C *Isr J Med Sci* 11: 581-90, Jun 75 (Eng) [50]

DEFECTIVE INSULIN SECRETION IN THE SPINY MOUSE (ACOMYS CAHIRINUS). POSSIBLE VALUE IN THE STUDY OF THE PATHOPHYSIOLOGY OF DIABETES. Rabinovitch A, Gutzeit A, Grill V, Kikuchi M, Renold AE, Cerasi E *Isr J Med Sci* 11: 730-7, Jul 75 (Eng)

ULTRASTRUCTURE OF THE MOUSE PANCREAS AFTER AUROTHIOGLUCOSE ADMINISTRATION. Simkova D, Belak M, Boda K, Kosta K, Dianovska M *Acta Biol Acad Sci Hung* 25: 205-12, 1974 (Eng)

NEW ASPECTS OF THE ROLE OF SEROTONIN IN THE INSULIN RELEASE MECHANISM. Barath P *Acta Diabetol Lat* 11: 315-29, Jul-Aug 74 (Eng)

1.B PANCREAS

[KARYOMETRIC STUDIES OF THE PANCREAS AND ADRENAL GLANDS OF THE ALBINORAT FED AN UNBALANCED GLUCOSE DIET OR A GLUCOSE DIET SUPPLEMENTED WITH THIAMINE] Hildebrand R *Anat Anz* 137: 187-95, 1975 (Ger)

[SIGNIFICANCE OF TISSUE SPECIFICITY FOR THE FREQUENCY OF MITOSIS AND ITS CHANGES (AUTHORS TRANSL.)] Hildebrand R, Ernst H *Anat Anz* 137: 196-9, 1975 (Ger)

[INFLUENCE OF INDOLE-3-ALKANECARBOXYLIC ACIDS ON GLUCOSE UTILIZATION IN RATS] Losert W, Kraaz W *Arzneim Forsch* 25: 880-7, Jun 75 (Ger)

1.A.5 ISLANDS OF LANGERHANS, PATHOLOGY RELATED

AN UNUSUAL BETA-CELL ADENOMA. Dewilde J, Baillargeon J, Daloz P, Rasio E *Can Med Assoc J* 113: 413-6, 6 Sep 75 (Eng)

REGULATION OF IN VITRO INSULIN RELEASE FROM A TRANSPLANTABLE SYRIAN HAMSTER INSULINOMA. Shapiro S, Eto S, Fleischer N, Baum SG *Endocrinology* 97: 442-7, Aug 75 (Eng)

[STUDIES ON THE MECHANISM OF THE DIABETOGENIC ACTIVITY OF STREPTOZOTOCIN AND ON THE ABILITY OF COMPOUNDS TO BLOCK THE DIABETOGENIC ACTIVITY OF STREPTOZOTOCIN (AUTHORS TRANSL.)] Doi K *Folia Endocrinol Jpn* 51: 129-47, 20 Mar 75 (Jpn)

SYMPOSIUM IV: DIABETIC SYNDROME IN ANIMALS. INFLUENCE OF GENETIC BACKGROUND ON THE EXPRESSION OF MUTATIONS AT THE DIABETES LOCUS IN THE MOUSE. II. STUDIES ON BACKGROUND MODIFIERS. Coleman DL, Hummel KP *Isr J Med Sci* 11: 708-13, Jul 75 (Eng)

PANCREATIC ENDOCRINE TUMORS—THE RIDDLE OR THEIR ORIGIN AND HORMONE SECRETION. Creutzfeldt W *Isr J Med Sci* 11: 762-76, Jul 75 (Eng)

HYPOGLYCEMIA: WHAT KIND OF PROBLEM IS IT? Meloni CR *Am Fam Physician* 12: 108-11, Oct 75 (Eng)

HISTOPATHOLOGY OF THE ENDOCRINE PANCREAS OF A FRESH-WATER FISH, CLARIAS BATRACHUS (L.) IX: EFFECT OF THE NEW ANTIDIABETIC DRUG, GLIBENCLAMIDE (HB 419). Bhatt SD *Anat Anz* 137: 138-46, 1975 (Eng)

[PROCEEDINGS: ENERGY HOMEOSTASIS. 4. METABOLIC CHANGES AT EPINEPHRINE LOADING IN PATIENTS WITH INSULINOMA] Sakamoto N, Hotta A, Yoshida M, Sato S, Nagashima M *Folia Endocrinol Jpn* 50: 543, 20 Feb 74 (Jpn)

1.B PANCREAS

THE ENTERAL INSULIN-STIMULATION AFTER WHIPPLES OPERATION. Rehfeldt JF, Stadil F, Baden H, Fischerman K *Diabetologia* 11: 207-10, Jun 75 (Eng)

THIOSULFATION ALDEHYDE FUCHSIN (TAF) PROCEDURE FOR THE STAINING OF PANCREATIC B CELLS. Bussolati G, Bassa T *Stain Technol* 49: 313-5, Sep 74 (Eng)

1.B.1 PANCREAS, ANATOMY RELATED

DYNAMICS OF CANINE PANCREATIC BLOOD FLOW AND OF INSULIN SECRETION DURING AN INTRAVENOUS GLUCOSE LOAD. Fischer U, Hommel H, Schmid E *Pfluegers Arch* 358: 89-100, 9 Jul 75 (Eng)

CATECHOLAMINES AND EXERCISE-INDUCED GLUCAGON AND FATTY ACID MOBILIZATION IN THE RAT. Luyckx AS, Dresse A, Cession-Fossion A, Lefebvre PJ *Am J Physiol* 229: 376-83, Aug 75 (Eng)

[THE PHYSIOLOGY OF THE ISOLATED DOG PANCREAS—THE INFLUENCE OF THE ACTUAL BLOOD GLUCOSE LEVEL ON THE BLOOD CIRCULATION IN THE PANCREAS] Hempling H, Husemann B *Arzneim Forsch* 25: 916-8, Jun 75 (Ger)

FUNCTION OF COATED MEMBRANES AND MULTIVESICULAR BODIES DURING MEMBRANE REGULATION IN STIMULATED EXOCRINE PANCREAS CELLS. Geuze JJ, Kramer MF *Cell Tissue Res* 156: 1-20, 1974 (Eng)

[PROCEEDINGS: AGE RELATED CHANGES OF THE PANCREATIC LANGERHANS ISLAND. 5] Endo T, Ichikawa I, Hannya H, Murachi T *Folia Endocrinol Jpn* 50: 235, 20 Feb 74 (Jpn)

1.B.2 PANCREAS, BIOCHEMISTRY RELATED

INSULIN DEGRADATION. XV. USE OF DIFFERENT ASSAY METHODS FOR THE STUDY OF MECHANISM OF ACTION OF GLUTATHIONE-INSULIN TRANSHYDROGENASE. Chandler ML, Varandani PT *Biochim Biophys Acta* 397: 307-17, 26 Aug 75 (Eng)

THE PANCREATIC INSULIN CONTENT AND ITS RELATIONSHIP TO PLASMA GLUCOSE AND FREE FATTY ACID CONCENTRATIONS IN THE EMBRYO AND NEONATAL CHICK. Langslow DR *Br Poult Sci* 16: 329-33, Jul 75 (Eng)

GUINEA PIG PROINSULIN. PRIMARY STRUCTURE OF THE C-PEPTIDE ISOLATED FROM PANCREAS. Massey DE, Smyth DG *J Biol Chem* 250: 6288-90, 25 Aug 75 (Eng)

[ETIOLOGY, PATHOGENESIS, DIAGNOSIS AND TREATMENT OF ACUTE PANCREATITIS] Sotysiak A *Wiad Lek* 28: 1461-5, 1 Sep 75 (Pol) [0]

HISTOPATHOLOGY OF THE ENDOCRINE PANCREAS OF A FRESH-WATER FISH, CLARIAS BATRACHUS (L.) IX: EFFECT OF THE NEW ANTIDIABETIC DRUG, GLIBENCLAMIDE (HB 419). Bhatt SD *Anat Anz* 137: 138-46, 1975 (Eng)

[THE FUNCTIONAL CYTOCHEMISTRY OF AMINE PRECURSOR UPTAKE AND DECARBOXYLATION (APUD) CELLS AND ITS USES IN PATHOLOGY] Berger G, Barthelemy C, Tabib A *Ann Anat Pathol (Paris)* 19: 371-98, Oct-Dec 74 (Fre)

RAPID ASSAYS FOR ADENYLATE CYCLASE AND 3,5 CYCLIC AMP PHOSPHODIESTERASE ACTIVITIES. SIMULTANEOUS MEASUREMENTS OF OTHER PATHWAYS OF ATP CATABOLISM. Delaage MA, Bellon BN, Caille H *Anal Biochem* 62: 417-25, Dec 74 (Eng)

[PANCREATIC CYSTS] Varola F, Beccaria A, Oliaro A, Sasso D, Villata E, Cirillo R *Minerva Chir* 30: 83-125, 15 Feb 75 (Ita)

1.B.3 PANCREAS, PHYSIOLOGY RELATED

GLUCAGON AND INSULIN RELEASE FROM THE ALLOGRAFTED CANINE PANCREAS. Brynner H, Claes G, Lernmark A *Eur Surg Res* 7: 170-80, 1975 (Eng)

PLASMA IMMUNOREACTIVE INSULIN (IRI) AND IMMUNOREACTIVE GLUCAGON (IRG) AFTER EVISCERATION WITH AND WITHOUT A FUNCTIONAL LIVER. Penhos JC, Ezequiel M, Lepp A, Ramey ER *Diabetes* 24: 637-40, Jul 75 (Eng)

EFFECT OF PANCREATECTOMY OR ADRENALECTOMY ON THE RESPONSES OF RATS TO MEAL-FEEDING. Kaul L, Berdianier CD *J Nutr* 105: 1176-85, Sep 75 (Eng)

DYNAMICS OF CANINE PANCREATIC BLOOD FLOW AND OF INSULIN SECRETION DURING AN INTRAVENOUS GLUCOSE LOAD. Fischer U, Hommel H, Schmid E *Pfluegers Arch* 358: 89-100, 9 Jul 75 (Eng)

[HYPOTHALAMIC ANOMALIES WITH HYPERINSULINISM ASSOCIATED WITH A CYST OF THE 3D VENTRICLE] Lelievre M, Szots F, Nadeau A *Union Med Can* 104: 422-7, Mar 75 (Fre)

BEHAVIOR OF PANCREATIC GLUCAGON, INSULIN, AND HIGH IN LIVER CIRRHOSIS, AFTER ARGININE AND I.V. GLUCOSE. Greco AV, Ghirlanda G, Patrono C, Fedili G, Manna R *Acta Diabetol Lat* 11: 330-9, Jul-Aug 74 (Eng)

LONG TERM STUDIES OF PANCREAS TRANSPLANTATION IN EXPERIMENTAL DIABETES MELLITUS. Orloff MJ, Lee S, Charters AC 3d, Grembort DE, Storek LG, Knox D *Ann Surg* 182: 198-206, Sep 75 (Eng)

[THE PHYSIOLOGY OF THE ISOLATED DOG PANCREAS—THE INFLUENCE OF THE ACTUAL BLOOD GLUCOSE LEVEL ON THE BLOOD CIRCULATION IN THE PANCREAS] Hempling H, Husemann B *Arzneim Forsch* 25: 916-8, Jun 75 (Ger)

FUNCTION OF COATED MEMBRANES AND MULTIVESICULAR BODIES DURING MEMBRANE REGULATION IN STIMULATED EXOCRINE PANCREAS CELLS. Geuze JJ, Kramer MF *Cell Tissue Res* 156: 1-20, 1974 (Eng)

[PANCREATIC CYSTS] Varola F, Beccaria A, Oliaro A, Sasso D, Villata E, Cirillo R *Minerva Chir* 30: 83-125, 15 Feb 75 (Ita)

1.B.4 PANCREAS, PHARMACOLOGY RELATED

TOXICITY ARISING FROM THE UREA CYCLE. Cohen BD, Handelsman DG, Pai BN *Kidney Int [Suppl]* 285-7, Feb 75 (Eng)

DYNAMICS OF CANINE PANCREATIC BLOOD FLOW AND OF INSULIN SECRETION DURING AN INTRAVENOUS GLUCOSE LOAD. Fischer U, Hommel H, Schmid E *Pfluegers Arch* 358: 89-100, 9 Jul 75 (Eng)

ULTRASTRUCTURE OF THE MOUSE PANCREAS AFTER AUROTHIOGLUCOSE ADMINISTRATION. Simkova D, Belak M, Boda K, Kosta K, Dianovska M *Acta Biol Acad Sci Hung* 25: 205-12, 1974 (Eng)

HISTOPATHOLOGY OF THE ENDOCRINE PANCREAS OF A FRESH-WATER FISH, CLARIAS BATRACHUS (L.) IX: EFFECT OF THE NEW ANTIDIABETIC DRUG, GLIBENCLAMIDE (HB 419). Bhatt SD *Anat Anz* 137: 138-46, 1975 (Eng)

[KARYOMETRIC STUDIES OF THE PANCREAS AND ADRENAL GLANDS OF THE ALBINO-RAT FED AN UNBALANCED GLUCOSE DIET OR A GLUCOSE DIET SUPPLEMENTED WITH THIAMINE] Hildebrand R *Anat Anz* 137: 187-95, 1975 (Ger)

FUNCTION OF COATED MEMBRANES AND MULTIVESICULAR BODIES DURING MEMBRANE REGULATION IN STIMULATED EXOCRINE PANCREAS CELLS. Geuze JJ, Kramer MF *Cell Tissue Res* 156: 1-20, 1974 (Eng)

1.B.5 PANCREAS, PATHOLOGY RELATED

HISTOPATHOLOGY OF THE ENDOCRINE PANCREAS OF A FRESH-WATER FISH, CLARIAS BATRACHUS (L.) IX: EFFECT OF THE NEW ANTIDIABETIC DRUG, GLIBENCLAMIDE (HB 419). Bhatt SD *Anat Anz* 137: 138-46, 1975 (Eng)

1.B.6 PANCREAS, SURGERY RELATED

1.B.6.1 PANCREAS, TRANSPLANTATION

GLUCAGON AND INSULIN RELEASE FROM THE ALLOGRAFTED CANINE PANCREAS. Brynner H, Claes G, Lernmark A *Eur Surg Res* 7: 170-80, 1975 (Eng)

TRANSPLANTATION OF THE ISLETS OF LANGERHANS AND THE HISTOCOMPATIBILITY OF ENDOCRINE TISSUE. Barker CF *Diabetes* 24: 766-75, Aug 75 (Eng)

PANCREATIC TRANSPLANTATION IN NEW YORK. Gliedman ML, Tellis V, Soberman R, Rifkin H, Freed SZ, Veith FJ *Kidney Int [Suppl]* 164-8, Oct 74 (Eng)

ISLET CELL TRANSPLANTATION. Leonard RJ, Lazarow A, McEvoy RC, Hegre OD *Kidney Int [Suppl]* 169-78, Oct 74 (Eng)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: GENERAL TOPICS AND SUMMATION. Anonymous *Kidney Int [Suppl]* 179-86, Oct 74 (Eng)

[CURRENT POSSIBILITIES AND PERSPECTIVES IN THE DEVELOPMENT AND TREATMENT OF DIABETES MELLITUS] Lepanovic R, Kovac T *Med Pregl* 28: 233-40, 1975 (Ser)

[PANCREATIC TRANSPLANTATION: ENDOCRINE FUNCTION OF THE GRAFTED PANCREAS. CURRENT DATA AND FUTURE PROSPECTS] Eloy R, Jaek D, Schang JC, Van-nareth T, Gillet M, Grenier JF, Moody AJ *Ann Chir* 29: 559-69, Jun 75 (Fre)

LONG TERM STUDIES OF PANCREAS TRANSPLANTATION IN EXPERIMENTAL DIABETES MELLITUS. Orloff MJ, Lee S, Charters AC 3d, Grambort DE, Storck LG, Knox D *Ann Surg* 182: 198-206, Sep 75 (Eng)

1.B.6.2 PANCREATECTOMY

[INTERFERING FACTORS AND SOURCES OF ERROR IN THE FUNCTIONAL DIAGNOSIS OF DIABETES MELLITUS] Kuhnau J *Jr Dtsch Med Wochenschr* 100: 1851-3, 12 Sep 75 (Ger)

GLUCAGON AND INSULIN RELEASE FROM THE ALLOGRAFTED CANINE PANCREAS. Brynner H, Claes G, Lernmark A *Eur Surg Res* 7: 170-80, 1975 (Eng)

EFFECT OF PANCREATECTOMY OR ADRENALECTOMY ON THE RESPONSES OF

RATS TO MEAL-FEEDING. Kaul L, Berdanier CD *J Nutr* 105: 1176-85, Sep 75 (Eng)

[PANCREATIC TRANSPLANTATION: ENDOCRINE FUNCTION OF THE GRAFTED PANCREAS. CURRENT DATA AND FUTURE PROSPECTS] Eloy R, Jaek D, Schang JC, Van-nareth T, Gillet M, Grenier JF, Moody AJ *Ann Chir* 29: 559-69, Jun 75 (Fre)

ISOLATION AND BIOLOGICAL CHARACTERIZATION OF FRAGMENTS OF HUMAN GROWTH HORMONE PRODUCED BY DIGESTION WITH PLASMIN. Reagan CR, Mills JB, Kostyo JL, Wilhelmi AE *Endocrinology* 96: 625-36, Mar 75 (Eng)

[PROCEEDINGS: EVALUATION OF CARBOHYDRATE METABOLISM OF PATIENTS FOLLOWING PANCREATODUODENECTOMY] Miyata M, Takao T, Sadami M, Manabe H, Uozumi T *Folia Endocrinol Jpn* 50: 206, 20 Feb 74 (Jpn)

1.C INSULIN

1.C.1 INSULIN, BIOCHEMISTRY RELATED

1.C.1.1 INSULIN, ISOLATION AND PURIFICATION

[ISOLATION AND PROPERTIES OF AN INSULIN-LIKE PEPTIDE FROM A HIGH MOLECULAR A-COMPONENT OF COMMERCIAL BOVINE INSULIN] Zuhlke H, Kohner KD, Wilke B, Schmidt S *Acta Biol Med Ger* 33: 399-406, 1974 (Ger)

1.C.1.2 INSULIN, ANALYSIS

CARRIER SOLUTIONS FOR LOW-LEVEL INTRAVENOUS INSULIN INFUSION. Kraegen EW, Lazarus L, Meier H, Campbell L, Chia YO *Br Med J* 3: 464-6, 23 Aug 75 (Eng)

RADIORECEPTOR ASSAY OF INSULIN: COMPARISON OF PLASMA AND PANCREATIC INSULINS AND PROINSULINS. Gavin JR 3d, Kahn CR, Gorden P, Roth J, Neville DM Jr *J Clin Endocrinol Metab* 41: 438-45, Sep 75 (Eng)

IS THE EVOLUTION OF INSULIN DARWINIAN OR DUE TO SELECTIVELY NEUTRAL MUTATION Blundell TL, Wood SP *Nature* 257: 197-203, 18 Sep 75 (Eng)

1.C.1.3 INSULIN, CHEMICAL SYNTHESIS

1.C.1.4 INSULIN, BIOSYNTHESIS

INSULIN-LIKE INSULINASE-RESISTANT MATERIAL, DISTINGUISHABLE FROM NORMAL INSULIN, IN JUVENILE DIABETES. Crossley JR, Elliott RB *Diabetes* 24: 609-17, Jul 75 (Eng)

ANTIGENICITY OF MONOCOMPONENT PORK INSULIN IN DIABETIC SUBJECTS. Yue DK, Turtle JR *Diabetes* 24: 625-32, Jul 75 (Eng)

SERUM PROINSULIN IN CHILDREN AND ADOLESCENTS WITH CHEMICAL DIABETES. Rosenbloom AL, Starr JL, Juhn D, Rubenstein AH *Diabetes* 24: 753-7, Aug 75 (Eng)

COMPARISON OF 125-I-INSULIN BINDING AND DEGRADATION TO ISOLATED RAT HEPATOCYTES AND LIVER MEMBRANES. Olefsky J, Johnson J, Liu F, Edwards P, Baur S *Diabetes* 24: 801-10, Sep 75 (Eng)

RECENT STUDIES ON INSULIN-RECEPTOR INTERACTIONS. Freychet P *Isr J Med Sci* 11: 679-86, Jul 75 (Eng)

GUINEA PIG PROINSULIN. PRIMARY STRUCTURE OF THE C-PEPTIDE ISOLATED FROM PANCREAS. Massey DE, Smyth DG *J Biol Chem* 250: 6288-90, 25 Aug 75 (Eng)

PROINSULIN: A PROPOSED THREE-DIMENSIONAL STRUCTURE. Snell CR, Smyth DG *J Biol Chem* 250: 6291-5, 25 Aug 75 (Eng)

RADIORECEPTOR ASSAY OF INSULIN: COMPARISON OF PLASMA AND PANCREATIC INSULINS AND PROINSULINS. Gavin JR 3d, Kahn CR, Gorden P, Roth J, Neville DM Jr *J Clin Endocrinol Metab* 41: 438-45, Sep 75 (Eng)

ECTOPIC HORMONE PRODUCTION. Smith LH *Surg Gynecol Obstet* 141: 443-53, Sep 75 (Eng) [203]

[ISOLATION AND PROPERTIES OF AN INSULIN-LIKE PEPTIDE FROM A HIGH MOLECULAR A-COMPONENT OF COMMERCIAL BOVINE INSULIN] Zuhlke H, Kohner KD, Wilke B, Schmidt S *Acta Biol Med Ger* 33: 399-406, 1974 (Ger)

CATABOLISM OF PROINSULIN AND INSULIN. PROTEOLYTIC ACTIVITIES IN LANGERHANS ISLETS OF RAT AND MICE PANCREAS IN VITRO. Zuhlke H, Jahr H, Schmidt S, Gottschling D, Wilke B, Kansy H, Kaleta C, Pieper I *Acta Biol Med Ger* 33: 407-18, 1974 (Eng)

1.C.1.5 INSULIN, METABOLISM

INSULIN DEGRADATION. XV. USE OF DIFFERENT ASSAY METHODS FOR THE STUDY OF MECHANISM OF ACTION OF GLUTATHIONE-INSULIN TRANSHYDROGENASE. Chandler ML, Varandani PT *Biochim Biophys Acta* 397: 307-17, 26 Aug 75 (Eng)

THE PANCREATIC INSULIN CONTENT AND ITS RELATIONSHIP TO PLASMA GLUCOSE AND FREE FATTY ACID CONCENTRATIONS IN THE EMBRYO AND NEONATAL CHICK. Langslow DR *Br Poult Sci* 16: 329-33, Jul 75 (Eng)

INSULIN-LIKE INSULINASE-RESISTANT MATERIAL, DISTINGUISHABLE FROM NORMAL INSULIN, IN JUVENILE DIABETES. Crossley JR, Elliott RB *Diabetes* 24: 609-17, Jul 75 (Eng)

INSULIN RECEPTORS IN THE HEART MUSCLE. DEMONSTRATION OF SPECIFIC BINDING SITES AND IMPAIRMENT OF INSULIN BINDING IN THE PLASMA MEMBRANE OF THE OBESE HYPERGLYCEMIC MOUSE. Forgue ME, Freychet P *Diabetes* 24: 715-23, Aug 75 (Eng)

DECREASED CYCLIC AMP AND INSULIN RESPONSE TO GLUCOSE IN ISOLATED ISLETS OF NEONATAL RATS. Grill V, Asplund K, Hellerstrom C, Cerasi E *Diabetes* 24: 746-52, Aug 75 (Eng)

COMPARISON OF 125-I-INSULIN BINDING AND DEGRADATION TO ISOLATED RAT HEPATOCYTES AND LIVER MEMBRANES. Olefsky J, Johnson J, Liu F, Edwards P, Baur S *Diabetes* 24: 801-10, Sep 75 (Eng)

AGE-ADJUSTED ANALYSIS OF INSULIN RESPONSES DURING NORMAL AND ABNORMAL GLUCOSE TOLERANCE TESTS IN CHILDREN AND ADOLESCENTS. Rosenbloom AL, Wheeler L, Bianchi R, Chin FT, Tiwary CM, Grgic A *Diabetes* 24: 820-8, Sep 75 (Eng)

Diabetes Literature—Hierarchical Index

I.C INSULIN

- SYMPOSIUM III: HORMONES AND HORMONE RECEPTORS. A MORPHOLOGICAL APPROACH TO SURFACE RECEPTORS IN ISLET AND LIVER CELLS.** Orzi L, Rufener C, Malaisse-Lagae F, Blondel B, Amherdt M, Bataille D, Freychet P, Perrelet A *Isr J Med Sci* 11: 639-55, Jul 75 (Eng)
- INSULIN RECEPTORS IN FAT CELLS: RELATIONSHIP BETWEEN BINDING AND ACTIVATION.** Gliemann J, Gammeltoft S, Vinten J *Isr J Med Sci* 11: 656-63, Jul 75 (Eng)
- NONSUPPRESSIBLE INSULIN-LIKE ACTIVITY: BIOLOGICAL ACTIVITY AND RECEPTOR BINDING.** Zapf J, Mader M, Waldvogel M, Froesch ER *Isr J Med Sci* 11: 664-78, Jul 75 (Eng)
- RECENT STUDIES ON INSULIN-RECEPTOR INTERACTIONS.** Freychet P *Isr J Med Sci* 11: 679-86, Jul 75 (Eng)
- SOMATOMEDINS.** Van den Brande JL, Van Buel S *Isr J Med Sci* 11: 693-8, Jul 75 (Eng) [38]
- METABOLIC ANOMALIES OF THE OBESE-HYPERGLYCEMIC (OB/OB) MICE OF BAR HARBOR.** Jeanrenaud B, Assimacopoulos-Jeanrenaud F, Loten EG, Karakash C, Le Marchand Y *Isr J Med Sci* 11: 723-9, Jul 75 (Eng)
- INSULIN RECEPTOR DEFICIENCY IN GENETIC AND ACQUIRED OBESITY.** Soli AH, Kahn CR, Neville DM Jr, Roth J *J Clin Invest* 56: 769-80, Oct 75 (Eng)
- MAINTENANCE PERITONEAL DIALYSIS AS AN ALTERNATIVE IN THE PATIENT WITH DIABETES MELLITUS AND END-STAGE UREMIA.** Blumenkrantz MJ, Shapiro DJ, Mimura N, Georgopoulos DG, Griedler RM, Levin S, Tenckhoff H, Coburn JW *Kidney Int [Suppl]* 108-14, Oct 74 (Eng)
- ISLET CELL TRANSPLANTATION.** Leonard RJ, Lazarow A, McEvoy RC, Hegre OD *Kidney Int [Suppl]* 169-78, Oct 74 (Eng)
- INSULIN AND GLUCOSE METABOLISM IN RENAL INSUFFICIENCY.** Reaven GM, Weisinger JR, Swenson RS *Kidney Int [Suppl]* 63-9, Oct 74 (Eng) [39]
- GLUCOSE INTOLERANCE IN THE HEMODIALYZED PATIENT: A BRIEF OVERVIEW.** Westervelt FB Jr *Kidney Int [Suppl]* 70-2, Oct 74 (Eng) [19]
- IS THE EVOLUTION OF INSULIN DARWINIAN OR DUE TO SELECTIVELY NEUTRAL MUTATION?** Blundell TL, Wood SP *Nature* 257: 197-203, 18 Sep 75 (Eng)
- INTERACTION OF ENDOGENOUS GROWTH HORMONE, CORTISOL, AND CATECHOLAMINES WITH BLOOD GLUCOSE IN CHILDREN WITH BRITTLE DIABETES MELLITUS.** Bruck E, MacGillivray MH *Pediatr Res* 9: 535-41, Jun 75 (Eng)
- THE EFFECT OF ORAL ALANINE ON BLOOD GLUCOSE AND GLUCAGON IN THE HUMAN NEWBORN INFANT.** Fiser RH, Williams PR, Fisher DA, DeLamater PV, Sperling MA, Oh W *Pediatrics* 56: 78-81, Jul 75 (Eng)
- STIMULATION OF GROWTH HORMONE SECRETION BY LEVODOPA-PROPRANOLOL IN CHILDREN AND ADOLESCENTS.** Anonymous *Pediatrics* 56: 262-6, Aug 75 (Eng)
- [INFLUENCE OF EXPERIMENTAL HYPERTENSION AND HYPOTHYROIDISM ON THE METABOLISM OF RADIOACTIVE INSULIN AT THE LEVEL OF THE LIVER IN RATS]** Costiner E, Simionescu L, Oprescu M *Stud Cercet Endocrinol* 23: 253-8, 1972 (Rum)
- [ACTIVE CENTERS AND THE SUBSTRATE SPECIFICITY OF MIROORGANISM PROTEINASES]** Tsyperovich AS, Lysenkov NV, Kolodzeiskaia MV *Usp Sovrem Biol* 77: 18-34, Jan-Feb 74 (Rus) [109]
- CATABOLISM OF PROINSULIN AND INSULIN. PROTEOLYTIC ACTIVITIES IN LANGERHANS ISLETS OF RAT AND MICE PANCREAS IN VITRO.** Zuhlke H, Jahr H, Schmidt S, Gottschling D, Wilke B, Kansy H, Kaleta C, Pieper I *Acta Biol Med Ger* 33: 407-18, 1974 (Eng)
- STUDIES IN CONGENITAL GENERALIZED LIPODYSTROPHY. VI. SUPPRESSIBLE AND NON-SUPPRESSIBLE INSULIN-LIKE ACTIVITIES OF PLASMA.** Svik O, Oseid S *Acta Endocrinol (Kbh)* 79: 720-8, Aug 75 (Eng)
- ### I.C.1.6 INSULIN, BLOOD
- CARBOHYDRATE METABOLISM IN PREGNANCY. PART I. DIURNAL PLASMA GLUCOSE PROFILE IN NORMAL AND DIABETIC WOMEN.** Gillmer MD, Beard RW, Brooke FM, Oakley NW *Br Med J* 3: 399-402, 16 Aug 75 (Eng)
- CARBOHYDRATE METABOLISM IN PREGNANCY. PART II. RELATION BETWEEN MATERNAL GLUCOSE TOLERANCE AND GLUCOSE METABOLISM IN THE NEWBORN.** Anonymous *Br Med J* 3: 402-4, 16 Aug 75 (Eng)
- LETTER: ACUTE SYSTOLIC HYPERTENSION DURING MYOCARDIAL INFARCTION.** Oliver MF *Br Med J* 3: 432, 16 Aug 75 (Eng)
- THE PANCREATIC INSULIN CONTENT AND ITS RELATIONSHIP TO PLASMA GLUCOSE AND FREE FATTY ACID CONCENTRATIONS IN THE EMBRYO AND NEONATAL CHICK.** Langslow DR *Br Poult Sci* 16: 329-33, Jul 75 (Eng)
- DOUBLE-ANTIBODY RADIOIMMUNOASSAY OF SERUM INSULIN: EFFECT OF USE OF HORMONE-DEPLETED HUMAN SERUM.** Silbert CK, Sawin CT *Clin Chem* 21: 1520-2, Sep 75 (Eng)
- [COMPARISON OF INSULIN REACTIONS IN VARIOUS DISEASES TO GLUCOSE, ARGinine, AND GLUCAGON]** Taminato A, Inoue Y, Mori K, Goto K, Kurahachi H *Clin Endocrinol (Tokyo)* 23: 373-9, Apr 75 (Jpn)
- [INFLUENCE OF OVULATION INHIBITORS ON GLUCOSE METABOLISM]** Hausmann L, Kafarnik H *Dtsch Med Wochenschr* 100: 1703-9, 22 Aug 75 (Ger) [59]
- [MECHANISM OF ACTION OF GLIQUIDONE (AUTHORS TRANSL.)]** Zilker T, Ermler R, Henderkott U, Bottermann P *Dtsch Med Wochenschr* 100: 1733-4, 1739-41, 29 Aug 75 (Ger)
- [LETTER: LOW-DOSE INSULIN THERAPY IN DIABETIC COMA: DOCUMENTATION OF RESULTING INSULIN LEVELS]** Berger M, Cuppers H, Berchtold P, Zimmermann H *Dtsch Med Wochenschr* 100: 1995-6, 26 Sep 75 (Ger)
- POTENTIATION OF THE ADRENERGIC BETA-RECEPTOR-MEDIATED INSULIN SECRETION IN PERTUSSIS-SENSITIZED RATS.** Sumi T, Ui M *Endocrinology* 97: 352-8, Aug 75 (Eng)
- [GROWTH HORMONE AND INSULIN CURVE FOLLOWING GLUCOSE LOADING IN PATIENTS WITH ACROMEGALY]** Kolaszynski J, Owczarczyk I, Pawlikowski M *Endokrynol Pol* 26: 265-9, May-Jun 75 (Pol)
- GLUCAGON AND INSULIN RELEASE FROM THE ALLOGRAFTED CANINE PANCREAS.** Brynner H, Claes G, Lernmark A *Eur Surg Res* 7: 170-80, 1975 (Eng)
- [STUDIES ON THE MECHANISM OF THE DIABETOGENIC ACTIVITY OF STREPTOZOTOCIN AND ON THE ABILITY OF COMPOUNDS TO BLOCK THE DIABETOGENIC ACTIVITY OF STREPTOZOTOCIN (AUTHORS TRANSL.)]** Doi K *Folia Endocrinol Jpn* 51: 129-47, 20 Mar 75 (Jpn)
- [COMPARISON OF BLOOD GLUCOSE AND INSULIN CONCENTRATIONS IN MAN AFTER INTRAVENOUS INJECTION OF 1.0, 0.1 AND 0.01 MG OF GLUCAGON (AUTHORS TRANSL.)]** Okuno G *Folia Endocrinol Jpn* 51: 202-8, 20 Apr 75 (Jpn)
- PLASMA IMMUNOREACTIVE INSULIN (IRI) AND IMMUNOREACTIVE GLUCAGON (IRG) AFTER EVISCERATION WITH AND WITHOUT A FUNCTIONAL LIVER.** Penhos JC, Ezequiel M, Lepp A, Ramey ER *Diabetes* 24: 637-40, Jul 75 (Eng)
- GLUCOSE INTOLERANCE IN THE CARCINOID SYNDROME.** Feldman JM, Plonk JW, Bivens CH, Lebavitz HE *Diabetes* 24: 664-71, Jul 75 (Eng)
- SERUM PROINSULIN IN CHILDREN AND ADOLESCENTS WITH CHEMICAL DIABETES.** Rosenbloom AL, Starr JJ, Juhn D, Rubenstein AH *Diabetes* 24: 753-7, Aug 75 (Eng)
- DIETARY-FIBER HYPOTHESIS OF THE ETIOLOGY OF DIABETES MELLITUS.** Trowell HC *Diabetes* 24: 762-5, Aug 75 (Eng) [39]
- GLUCAGON RESPONSE TO ARGinine AFTER TREATMENT OF DIABETES MELLITUS.** Ohneda A, Ishii S, Horigome K, Yamagata S *Diabetes* 24: 811-9, Sep 75 (Eng)
- STUDIES ON GROWTH HORMONE SECRETION. VII. EFFECTS OF SOMATOSTATIN ON PLASMA GH, INSULIN, AND GLUCAGON IN SHEEP.** Bryce D, Yeh M, Funderburk C, Todd H, Hertelendy F *Diabetes* 24: 842-50, Sep 75 (Eng)
- IMMUNOREACTIVE GLUCAGON RESPONSES TO INTRAVENOUS TOLBUTAMIDE IN CHRONIC PANCREATITIS.** Kalk WJ, Vinik AI, Paul M, Leller P, Jackson WP *Diabetes* 24: 851-5, Sep 75 (Eng)
- THE ENTERAL INSULIN-STIMULATION AFTER WHIPPLES OPERATION.** Rehfeld JF, Studil F, Baden H, Fischerman K *Diabetologia* 11: 207-10, Jun 75 (Eng)
- GASTRIC OPERATIONS AND GLUCOSE HOMEOSTASIS. II. GLUCAGON AND SECRETIN.** Breuer RI, Zuckerman L, Hauch TW, Green W, OGara P, Lawrence AM, Foa PP, Matsuyama T *Gastroenterology* 69: 598-606, Sep 75 (Eng)
- [THE UTILIZATION OF CARBOHYDRATES IN STRESS SITUATIONS]** Geser CA *Infusionstherapie* 1: 215-9, Feb 74 (Ger)
- [UTILIZATION OF CARBOHYDRATES IN STRESS SITUATIONS]** Geser CA *Infusionstherapie* 1: 215-9, Feb 74 (Ger)
- [THE INFLUENCE OF ALPHA RECEPTOR BLOCKADERS ON INSULIN SECRETION STIMULATED BY GLUCOSE DURING ANESTHESIA AND SURGERY]** Stremmel W *Infusionstherapie* 1: 307-13, Apr 74 (Ger)
- [THE METABOLISM OF THE SPLANCHNIC REGION UNDER THE INFLUENCE OF FRUCTOSE]** Dietze G, Wicklmayr M, Hepp KD, Grunst J, Stiegler G, Mehner H *Infusionstherapie* 1: 532-5, Oct 74 (Ger)
- [GLUCOSE IN PARENTERAL FEEDING]** Heuckenkamp PU, Zollner N *Infusionstherapie* 1: 565-8, Oct 74 (Ger)

Diabetes Literature—Hierarchical Index

1.C INSULIN

- [PARENTERAL ADMINISTRATION OF SUGAR SUBSTITUTES WITH SPECIAL REFERENCE TO DIABETES MELLITUS] Haslbeck M *Infusionstherapie* 1: 569-76, Oct 74 (Ger)
- UNDER-RESPONSIVENESS OF GROWTH HORMONE SECRETION AFTER L-DOPA AND DEEP SLEEP STIMULATION IN OBES SUBJECTS. Laurian L, Oberman Z, Ayalon D, Cordova T, Herzberg M, Horer E, Harell A *Isr J Med Sci* 11: 482-7, May 75 (Eng)
- METABOLIC PROFILES IN PREGNANCY. Gillmer MD, Oakley NW, Brooke FM, Beard RW *Isr J Med Sci* 11: 601-8, Jun 75 (Eng)
- INTERRELATIONS OF GLUCOSE, INSULIN AND GLUCAGON AFTER OVERNIGHT FAST AND IN RESPONSE TO ORAL GLUCOSE DURING LATE PREGNANCY. Nitzan M, Freinkel N, Metzger BE, Unger RH, Falona GR, Daniel RR *Isr J Med Sci* 11: 617-22, Jun 75 (Eng)
- METABOLIC ANOMALIES OF THE OBSE-HYPERGLYCEMIC (OB/OB) MICE OF BAR HARBOR. Jeanrenaud B, Assimacopoulos-Jeanet F, Loten EG, Karakash C, Le Marchand Y *Isr J Med Sci* 11: 723-9, Jul 75 (Eng)
- DEFECTIVE INSULIN SECRETION IN THE SPINY MOUSE (ACOMYS CAHIRINUS). POSSIBLE VALUE IN THE STUDY OF THE PATHOPHYSIOLOGY OF DIABETES. Rabinovitch A, Gutzeit A, Grill V, Kikuchi M, Renold AE, Cerasi E *Isr J Med Sci* 11: 730-7, Jul 75 (Eng)
- APPETITE AND INSULIN-METABOLITE HARMONY IN PORTAL BLOOD OR SHEEP FED HIGH OR LOW ROUGHAGE DIET WITH OR WITHOUT INTRARUMINAL INFUSION OF VFA. Bhattacharya AN, Alulu M *J Anim Sci* 41: 225-33, Jul 75 (Eng)
- GASTRIC INHIBITORY POLYPEPTIDE (GIP) STIMULATED BY FAT INGESTION IN MAN. Falko JM, Crockett SE, Cataland S, Mazzafieri EL *J Clin Endocrinol Metab* 41: 260-5, Aug 75 (Eng)
- RADIORECEPTOR ASSAY OF INSULIN: COMPARISON OF PLASMA AND PANCREATIC INSULINS AND PROINSULINS. Gavin JR 3d, Kahn CR, Gorden P, Roth J, Neville DM Jr *J Clin Endocrinol Metab* 41: 438-45, Sep 75 (Eng)
- CIRCULATING NSILA-S IN MAN: PRELIMINARY STUDIES OF STIMULI IN VIVO AND OF BINDING TO PLASMA COMPONENTS. Megyesi K, Kahn CR, Roth J, Gorden P *J Clin Endocrinol Metab* 41: 475-84, Sep 75 (Eng)
- THE INHIBITORY EFFECT OF SOMATOSTATIN ON GROWTH HORMONE, INSULIN AND GLUCAGON SECRETION IN DIABETES MELLITUS. Ward FR, Leblanc H, Yen SS *J Clin Endocrinol Metab* 41: 527-32, Sep 75 (Eng)
- SEX STEROID INFLUENCE ON TRIGLYCERIDE METABOLISM. Kim HJ, Kalkhoff RK *J Clin Invest* 56: 888-96, Oct 75 (Eng)
- EFFECT OF MEAL-FEEDING ON THE DAILY VARIATIONS OF INSULIN, GLUCOSE, AND NADP-LINKED DEHYDROGENASES IN RATS. Kaul L, Berdanier CD *J Nutr* 105: 1132-40, Sep 75 (Eng)
- EFFECTS OF CARBOHYDRATE-FREE DIETS ON THE INSULIN-CARBOHYDRATE RELATIONSHIPS IN RATS. Carmel N, Konijn AM, Kaufman NA, Guggenheim K *J Nutr* 105: 1141-9, Sep 75 (Eng)
- EFFECT OF PANCREATECTOMY OR ADRENALECTOMY ON THE RESPONSES OF RATS TO MEAL-FEEDING. Kaul L, Berdanier CD *J Nutr* 105: 1176-85, Sep 75 (Eng)
- FEEDING BEHAVIOR IN MONKEYS WITH SPONTANEOUS DIABETES MELLITUS. Hamilton CL, Lewis DJ *J Med Primatol* 4: 145-53, 1975 (Eng)
- CARDIOVASCULAR DISEASE IN UREMIC PATIENTS ON HEMODIALYSIS. Lazarus JM, Lowrie EG, Hampers CL, Merrill JP *Kidney Int [Suppl]* 167-75, Jan 75 (Eng) [56]
- [ALTERATIONS IN PLASMA INSULIN AND BLOOD GLUCOSE DURING ANESTHESIA AND SURGERY] Gosheva-Antonova Ts, Turkolev N *Khirurgia (Sofia)* 27: 487-92, 1974 (Bul)
- [SIGNIFICANCE OF THE 2-DEOXY-D-GLUCOSE-TEST ON THE DIFFERENTIATION OF HYPOGLYCEMIA IN CHILDHOOD (AUTHORS TRANSL)] Kruse K, Bartels H *Klin Paediatr* 187: 308-13, Jul 75 (Ger)
- ENDOCRINOLOGY AND METABOLISM IN UREMIA AND DIALYSIS: A CLINICAL REVIEW. Feldman HA, Singer I *Medicine (Baltimore)* 54: 345-76, Sep 75 (Eng)
- LETTER: DEPRESSION OF SERUM INSULIN BY SOMATOSTATIN. Berger M, Berchtold P *N Engl J Med* 293: 723-2, Oct 75 (Eng)
- THE EFFECT OF ORAL ALANINE ON BLOOD GLUCOSE AND GLUCAGON IN THE HUMAN NEWBORN INFANT. Fiser RH, Williams PR, Fisher DA, DeLameter PV, Sperling MA, Oh W *Pediatrics* 56: 78-81, Jul 75 (Eng)
- [TEMPORAL RELATIONSHIP CONCERNING CHANGES IN BLOOD INSULIN, SUGAR AND ADENOSINE-35-MONOPHOSPHATE FOLLOWING ADMINISTRATION OF GLUCAGON TO HEALTHY SUBJECTS] Czekalski S, Kosowicz J, Kozak W, Ruszkowska J *Pol Arch Med Wewn* 54: 127-32, Aug 75 (Pol)
- [BLOOD INSULIN IN VIRAL HEPATITIS] Pieterowa R, Torzecka W, Fabianowski J, Stempien R, Polakowski P *Pol Tyg Lek* 30: 1385-8, 25 AUG 75 (Pol)
- A NEW CONCEPT FOR THE EVALUATION OF THE BLOOD GLUCOSE AND INSULIN RESPONSES OF HEALTH SUBJECTS FOLLOWING AN ORAL GLUCOSE LOAD. Szabo O, Oppermann W, Victor C, Camerini-Davalos RA *Acta Diabetol Lat* 11: 265-76, Jul-Aug 74 (Eng)
- BEHAVIOR OF PANCREATIC GLUCAGON, INSULIN, AND HGH IN LIVER CIRRHOSIS, AFTER ARGININE AND I.V. GLUCOSE. Greco AV, Ghirlanda G, Patrono C, Fedili G, Manna R *Acta Diabetol Lat* 11: 330-9, Jul-Aug 74 (Eng)
- STUDIES IN CONGENITAL GENERALIZED LIPODYSTROPHY. VI. SUPPRESSIBLE AND NON-SUPPRESSIBLE INSULIN-LIKE ACTIVITIES OF PLASMA. Svik O, Oseid S *Acta Endocrinol (Kbh)* 79: 720-8, Aug 75 (Eng)
- ADAPTATION TO FASTING IN BABOON. II. REGULATION OF LIPOLYSIS EARLY AND LATE IN FASTING. Koerker DJ, Goodner CJ, Chidekel EW, Einsnick JW *Am J Physiol* 229: 350-4, Aug 75 (Eng)
- CATECHOLAMINES AND EXERCISE-INDUCED GLUCAGON AND FATTY ACID MOBILIZATION IN THE RAT. Luyckx AS, Dresse A, Cession-Fossion A, Lefebvre PJ *Am J Physiol* 229: 376-83, Aug 75 (Eng)
- PLASMA AMINO ACID LEVELS AND DEVELOPMENT OF HEPATIC GLUCOGENESIS IN THE NEWBORN RAT. Girard JR, Guillet I, Marty J, Marliss EB *Am J Physiol* 229: 466-73, Aug 75 (Eng)
- HYPORESPONSIVENESS TO GLUCOPRIVATION DURING POSTNATAL PERIOD IN THE RAT. Gil-Ad I, Udeschini G, Cocchi D, Muller EE *Am J Physiol* 229: 512-7, Aug 75 (Eng)
- [EFFECT OF PLOTTING BY EYE OF THE CALIBRATION CURVE IN RADIOIMMUNOLOGIC ASSAYS] Taggi F, Lostia O *Ann Ist Super Sanita* 10: 47-62, 1974 (Ita)
- [PANCREATIC TRANSPLANTATION: ENDOCRINE FUNCTION OF THE GRAFTED PANCREAS. CURRENT DATA AND FUTURE PROSPECTS] Eloy R, Jaek D, Schang JC, Vanareth T, Gillet M, Grenier JF, Moody AJ *Ann Chir* 29: 559-69, Jun 75 (Fre)
- LONG TERM STUDIES OF PANCREAS TRANSPLANTATION IN EXPERIMENTAL DIABETES MELLITUS. Orloff MJ, Lee S, Charters AC 3d, Grambort DE, Storck LG, Knox D *Ann Surg* 182: 198-206, Sep 75 (Eng)
- CARBOHYDRATE INTOLERANCE IN CARCINOMA OF THE LUNG. Ennis GC, Cameron DP, Burger HG *Aust NZ J Med* 4: 555-60, Dec 74 (Eng)
- [INFLUENCE OF INDOLE-3-ALKANECARBOXYLIC ACIDS ON GLUCOSE UTILIZATION IN RATS] Losert W, Kraaz W *Arzneim Forsch* 25: 880-7, Jun 75 (Ger)
- [THE PHYSIOLOGY OF THE ISOLATED DOG PANCREAS—THE INFLUENCE OF THE ACTUAL BLOOD GLUCOSE LEVEL ON THE BLOOD CIRCULATION IN THE PANCREAS] Hempfling H, Husemann B *Arzneim Forsch* 25: 916-8, Jun 75 (Ger)

1.C.1.7 INSULIN, URINE

INSULIN-LIKE INSULINASE-RESISTANT MATERIAL, DISTINGUISHABLE FROM NORMAL INSULIN, IN JUVENILE DIABETES. Crossley JR, Elliott RB *Diabetes* 24: 609-17, Jul 75 (Eng)

1.C.2 INSULIN, PHYSIOLOGY RELATED

1.C.2.1 INSULIN, PHYSIOLOGY

- GLUCOSE INTOLERANCE IN THE CARCINOID SYNDROME. Feldman JM, Plonk JW, Bivens CH, Lebovitz HE *Diabetes* 24: 664-71, Jul 75 (Eng)
- [THE UTILIZATION OF CARBOHYDRATES IN STRESS SITUATIONS] Geser CA *Infusionstherapie* 1: 215-9, Feb 74 (Ger)
- [THE SIGNIFICANCE OF LIPID METABOLISM IN SURGICAL DISORDERS] Stremmel W *Infusionstherapie* 1: 238-43, Feb 74 (Ger)
- SYMPOSIUM I: HORMONE-FUEL INTERACTIONS IN NORMAL AND DIABETIC MAN. THE LIVER AS SITE OF INSULIN AND GLUCAGON ACTION IN NORMAL, DIABETIC AND OBSE HUMANS. Felig P, Wahren J *J Med Sci* 11: 528-39, Jun 75 (Eng) [55]
- REGULATION, BY INSULIN, OF LIPOPROTEIN LIPIASE AND PHOSPHODIESTERASE ACTIVITIES IN RAT ADIPOSE TISSUE. Desai K, Hollenberg CH *Isr J Med Sci* 11: 540-50, Jun 75 (Eng)
- METABOLIC PROBLEMS IN LONG-STANDING INSULIN-DEPENDENT DIABETIC PATIENTS. Cahill GF Jr *Kidney Int [Suppl]* 47-50, Oct 74 (Eng) [25]

1.C.2.2 INSULIN, SECRETION

[SIGNIFICANCE OF INTRACELLULAR CALCIUM TRANSPORT FOR CELL FUNCTION] Seifert G, Schafer HJ, Schulz A *Dtsch Med Wochenschr* 100: 1854-62, 12 Sep 75 (Ger) [68]

Diabetes Literature—Hierarchical Index

1.C INSULIN

- THE SIGNIFICANCE OF CALCIUM FOR GLUCOSE STIMULATION OF INSULIN RELEASE.** Hellman B *Endocrinology* 97: 392-8, Aug 75 (Eng)
- REGULATION OF IN VITRO INSULIN RELEASE FROM A TRANSPLANTABLE SYRIAN HAMSTER INSULINOMA.** Shapiro S, Eto S, Fleischer N, Baum SG *Endocrinology* 97: 442-7, Aug 75 (Eng)
- EFFECT OF GLUCOSE AND ANTI-INSULIN SERUM ON INSULIN RELEASED FROM ADULT RAT ISOLATED ISLETS OF LANGERHANS IN LONG-TERM ORGAN CULTURE (FOURTEEN DAYS).** Turcot-Lemay L, Lacy PE *Diabetes* 24: 658-63, Jul 75 (Eng)
- EFFECT OF LECTINS ON HORMONE RELEASE FROM ISOLATED RAT ISLETS OF LANGERHANS.** Ewart RB, Kornfeld S, Kipnis DM *Diabetes* 24: 705-14, Aug 75 (Eng)
- ARGININE-STIMULATED ACUTE PHASE OF INSULIN AND GLUCAGON SECRETION. I. IN NORMAL MAN.** Palmer JP, Walter RM, Ensinck JW *Diabetes* 24: 735-40, Aug 75 (Eng)
- DECREASED CYCLIC AMP AND INSULIN RESPONSE TO GLUCOSE IN ISOLATED ISLETS OF NEONATAL RATS.** Grill V, Asplund K, Hellerstrom C, Cerasi E *Diabetes* 24: 746-52, Aug 75 (Eng)
- EFFECTS OF CYPROHEPTADINE ON INSULIN SECRETION BY ISOLATED PERFUSED RAT ISLETS.** Richardson BP, McDaniel ML, Lacy PE *Diabetes* 24: 836-41, Sep 75 (Eng)
- STUDIES ON GROWTH HORMONE SECRETION. VII. EFFECTS OF SOMATOSTATIN ON PLASMA GH, INSULIN, AND GLUCAGON IN SHEEP.** Bryce D, Yeh M, Funderburk C, Todd H, Hertelendy F *Diabetes* 24: 842-50, Sep 75 (Eng)
- THE ENTERAL INSULIN-STIMULATION AFTER WHIPPES OPERATION.** Rehfeld JF, Stadil F, Baden H, Fischerman K *Diabetologia* 11: 207-10, Jun 75 (Eng)
- [THE PATHOGENESIS OF POSTOPERATIVE DISTURBANCES OF CARBOHYDRATE METABOLISM.]** Stremmel W *Infusionstherapie* 1: 294-304, Apr 74 (Ger)
- [THE INFLUENCE OF ALPHA RECEPTOR BLOCKADERS ON INSULIN SECRETION STIMULATED BY GLUCOSE DURING ANESTHESIA AND SURGERY.]** Stremmel W *Infusionstherapie* 1: 307-13, Apr 74 (Ger)
- [METABOLISM OF THE SPLANCHNIC REGION AS INFLUENCED BY FRUCTOSE.]** Dietze G, Wicklmayr M, Hepp KD, Grunst J, Stiegler G, Mehnert H *Infusionstherapie* 1: 525-5, Oct 74 (Ger)
- UNDER-RESPONSIVENESS OF GROWTH HORMONE SECRETION AFTER L-DOPA AND DEEP SLEEP STIMULATION IN OBSE SUBJECTS.** Laurian I, Oberman Z, Ayalon D, Cordova T, Herzberg M, Horer E, Harell A *Isr J Med Sci* 11: 482-7, May 75 (Eng)
- SYMPOSIUM II: FETOMATERNAL UNIT IN DIABETES. CLINICAL AND EXPERIMENTAL ASPECTS. FUNCTION OF THE FETAL ENDOCRINE PANCREAS.** Asplund K, Andersson A, Jarrousse C, Hellerstrom C *Isr J Med Sci* 11: 581-90, Jun 75 (Eng) [50]
- DEFECTIVE INSULIN SECRETION IN THE SPINY MOUSE (ACOMYS CAHIRINUS). POSSIBLE VALUE IN THE STUDY OF THE PATHOPHYSIOLOGY OF DIABETES.** Rabinovitch A, Gutzeit A, Grill V, Kikuchi M, Renold AE, Cerasi E *Isr J Med Sci* 11: 730-7, Jul 75 (Eng)
- HYPERLIPIDEMIA AND HEPATIC HYPERLIPOGENESIS IN SPINY MICE (ACOMYS CAHIRINUS) ON CARBOHYDRATE DIETS: RELATIONSHIP TO PERIPHERAL UNDER-RESPONSIVENESS AND LOW INSULIN RELEASE.** Shafir E, Benichmol A, Orevi M *Isr J Med Sci* 11: 738-52, Jul 75 (Eng)
- PANCREATIC ENDOCRINE TUMORS—THE RIDDLE OR THEIR ORIGIN AND HORMONE SECRETION.** Creutzfeldt W *Isr J Med Sci* 11: 762-76, Jul 75 (Eng)
- ACUTE-PHASE INSULIN SECRETION AND GLUCOSE TOLERANCE IN YOUNG AND AGED NORMAL MEN AND DIABETIC PATIENTS.** Palmer JP, Ensinck JW *J Clin Endocrinol Metab* 41: 498-503, Sep 75 (Eng)
- INHIBITORY EFFECT OF PREDNISONE ON INSULIN SECRETION IN MAN: MODEL FOR DUPLICATION OF BLOOD GLUCOSE CONCENTRATION.** Kalhan SC, Adam PA *J Clin Endocrinol Metab* 41: 600-10, Sep 75 (Eng)
- END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: METABOLIC COMPLICATIONS.** Anonymous *Kidney Int [Suppl]* 73-6, Oct 74 (Eng)
- TOXICITY ARISING FROM THE UREA CYCLE.** Cohen BD, Handelsman DG, Pao YW *Kidney Int [Suppl]* 285-7, Feb 75 (Eng)
- [GLUCAGON: PHYSIOLOGY-PATHOLOGY.]** Benoit G *Lille Med* 20: 230-8, Mar 75 (Fre)
- MECHANISM OF HYPOGLYCAEMIA IN A PATIENT WITH MESENCHYMAL TUMOUR.** Meinders AE, Smit EM, Cejka V, Braat MC *Neth J Med* 17: 227-33, 1974 (Eng)
- DYNAMICS OF CANINE PANCREATIC BLOOD FLOW AND OF INSULIN SECRETION DURING AN INTRAVENOUS GLUCOSE LOAD.** Fischer U, Hommel H, Schmid E *Pfluegers Arch* 358: 89-100, 9 Jul 75 (Eng)
- [EFFECT OF GLUCAGON ON INSULIN SECRETION IN ACUTE VIRAL HEPATITIS.]** Kiczka W, Juszczak J, Adamek J, Kosowicz J, Porawska J *Pol Tyg Lek* 30: 1295-8, 4-11 Aug 75 (Pol)
- [BENIGN DIABETES IN CHILDREN (AUTHORS TRANSL.)]** Otto-Buczowska E, Kokot F, Kuska J *Przegl Lek* 32: 641-6, 1975 (Pol)
- [SOMATOTROPIN INSUFFICIENCY. I. METABOLIC AND HORMONAL DISORDERS.]** Popa M *Stud Cercet Endocrinol* 23: 219-34, 1972 (Rum) [87]
- [DIABETES MELLITUS AND ITS SEQUELAE. I. PATHOGENESIS OF DIABETES MELLITUS-TODAY.]** Bibergeil H *Z Gesamte Inn Med* 30: suppl 030-2 contd, 15 Apr 75 (Ger)
- [BLOOD GLUCOSE AND IMMUNOREACTIVE INSULIN IN CHILDREN WITH DIABETIC SIBLINGS AND DIABETIC MOTHERS (AUTHORS TRANSL.)]** Waldhausl W, Rosenkranz A, Dudczak R *Z Kinderheilkd* 120: 59-68, 1 Jul 75 (Ger)
- NEW ASPECTS OF THE ROLE OF SEROTONIN IN THE INSULIN RELEASE MECHANISM.** Barath P *Acta Diabetol Lat* 11: 315-29, Jul-Aug 74 (Eng)
- DIABETES AND THE HEART.** Scott RC *Am Heart J* 90: 283-9, Sep 75 (Eng) [83]
- ADAPTATION TO FASTING IN BABOON. II. REGULATION OF LIPOLYSIS EARLY AND LATE IN FASTING.** Koerker DJ, Goodner CJ, Chidekel EW, Ensinck JW *Am J Physiol* 229: 350-4, Aug 75 (Eng)
- HYPORESPONSIVENESS TO GLUCOPRIVATION DURING POSTNATAL PERIOD IN THE RAT.** Gil-Ad I, Udeschini G, Cocchi D, Muller EE *Am J Physiol* 229: 512-7, Aug 75 (Eng)
- [PANCREATIC TRANSPLANTATION: ENDOCRINE FUNCTION OF THE GRAFTED PANCREAS. CURRENT DATA AND FUTURE PROSPECTS.]** Eloy R, Jaeck D, Schang JC, Vannareth T, Gillet M, Grenier JF, Moody AJ *Ann Chir* 29: 559-69, Jun 75 (Fre)
- MICROTUBULES AND THE INTRACELLULAR CONVERSION OF PROPARATHYROID HORMONE TO PARATHYROID HORMONE.** Kemper B, Habener JF, Rich A, Potts JT Jr *Endocrinology* 96: 903-12, Apr 75 (Eng)
- CYCLIC AMP. MEMBRANE TRANSPORT AND CELL DIVISION. I. EFFECTS OF VARIOUS CHEMICALS ON CYCLIC AMP LEVELS AND RATE OF TRANSPORT OF NEUCLEOSIDES, HYPOXANTHINE AND DEOXYGLUCOSE IN SEVERAL LINES OF CULTURED CELLS.** Sheppard JR, Plagemann PG *J Cell Physiol* 85: 163-72, Apr 75 (Eng)
- UPTAKE OF 3-O-METHYL-14C-D-GLUCOSE BY RAT THYMIC LYMPHOCYTES: INSENSITIVITY TO CORTISOL AND INHIBITORS OF RIBONUCLEIC ACID AND PROTEIN SYNTHESIS, AND SENSITIVITY TO CYTOCHALASIN B.** Feldman MJ, Kraetsch RE, Lichtman MA, Peck WA *J Reticuloendothel Soc* 16: 318-26, Dec 74 (Eng)
- BINDING OF CYTOCHALASIN B TO A RED CELL MEMBRANE PROTEIN.** Lin S, Spudich JA *Biochem Biophys Res Commun* 61: 1471-6, 23 Dec 74 (Eng)

1.C.3 INSULIN, PHARMACOLOGY RELATED

1.C.3.1 INSULIN, PHARMACODYNAMICS

- DIFFERENCES IN PROLIFERATIVE ACTIVITY OF RAT AND HUMAN PROSTATE IN CULTURE.** Shipman PA, Littlewood V, Riches AC, Thomas GH *Br J Cancer* 31: 570-80, May 75 (Eng)
- EFFECTS OF N-ETHYLMALIMIDE ON LIPOLYSIS AND GLUCOSE UPTAKE IN RAT ADIPOSE TISSUE.** Giudicelli Y, Fleux MN, Nordmann R *Biomedicine [Express]* 21: 452-6, 20 Nov 74 (Eng)
- A SPOONFUL OF SUGAR - TRANS-ALVEOLAR NUTRITION.** Hewson JR, Holland AJ *Can Anaesth Soc J* 22: 539-46, Sep 75 (Eng)
- [EFFECT OF INSULIN AND DIABETES ON NON-ESTERIFIED FATTY ACID PLASMA LEVELS IN FETUS AND NEWBORN RAT.]** Picon L, Irondeille MM, Prudent G *C R Acad Sci [D] (Paris)* 279: 2067-9, 23 Dec 74 (Fre)
- [INFLUENCE OF DIET, CORTISONE AND INSULIN ON VARIATIONS IN ENZYME ACTIVITY OF PYRUVATE CARBOXYLASE (EC 6.4.1.1) AND PHOSPHOENOLPYRUVATE CARBOXYKINASE (EC 4.1.1.32) IN RAT LIVER.]** Peret J, Chanez M *C R Acad Sci [D] (Paris)* 279: 2095-8, 23 Dec 74 (Fre)
- THE EFFECT OF HYPOGLYCAEMIA ON HYPOTHALAMIC THYROTROPIN-RELEASING HORMONE (HRH) IN THE RAT.** Leung Y, Guansing AR, Aijouni K, Hagen TC, Rosenfeld PS, Barboriak JJ *Endocrinology* 97: 380-4, Aug 75 (Eng)
- [THE ROLE OF THE ADRENORECEPTORS IN SEVERAL ORGANS IN REGULATING CARBOHYDRATE AND LIPID METABOLISM.]** Henes SH, Poltorak VV *Viziol Zh* 20: 831-40, Nov-Dec 74 (Ukr) [126]
- HORMONAL REGULATION OF INCORPORATION OF ALANINE-U-14C INTO GLUCOSE**

1.C INSULIN

IN HUMAN FETAL LIVER EXPLANTS. EFFECT OF DIBUTYRYL CYCLIC AMP, GLUCAGON, INSULIN, AND TRIAMCINOLONE. Schwartz AL, Rail TW *Diabetes* 24: 650-7, Jul 75 (Eng)

COMPARISON OF 125-I-INSULIN BINDING AND DEGRADATION TO ISOLATED RAT HEPATOCYTES AND LIVER MEMBRANES. Olefsky J, Johnson J, Liu F, Edwards P, Baur S *Diabetes* 24: 801-10, Sep 75 (Eng)

PROTEIN SYNTHESIS AND AMINO ACID ACCUMULATION DURING DEVELOPMENT IN THE RAT: DISSOCIATION OF DIAPHRAGM AND HEART MUSCLE SENSITIVITY TO INSULIN. Aspönd K *Horm Res* 6: 12-9, 1975 (Eng)

STRUCTURE AND ACTIVITY OF INSULIN, XIII. SPECIFICITY OF THE ARGININE-GUANIDINO GROUP IN BIOLOGICALLY ACTIVE TETRAPEPTIDES OF THE INSULIN SEQUENCE B 22-25 (ARG-GLY-PHE-PHE). Weitzel G, Eisele K, Stock W *Hoppe Seyler's Z Physiol Chem* 356: 583-90, May 75 (Eng)

STUDIES ON THE ACTION OF HORMONES ON THE INTESTINAL TRANSPORT OF L-HISTIDINE. Kansal VK, Wagle DS *Indian J Physiol Pharmacol* 19: 28-33, Jan-Mar 75 (Eng)

REGULATION, BY INSULIN, OF LIPOPROTEIN LIPASE AND PHOSPHODIESTERASE ACTIVITIES IN RAT ADIPOSE TISSUE. Desai K, Hollenbergh CH *Isr J Med Sci* 11: 540-50, Jun 75 (Eng)

INSULIN RECEPTORS IN FAT CELLS: RELATIONSHIP BETWEEN BINDING AND ACTIVATION. Gliemann J, Gammeltoft S, Vinten J *Isr J Med Sci* 11: 656-63, Jul 75 (Eng)

NONSUPPRESSIBLE INSULIN-LIKE ACTIVITY: BIOLOGICAL ACTIVITY AND RECEPTOR BINDING. Zapf J, Mader M, Waldvogel M, Froesch ER *Isr J Med Sci* 11: 664-78, Jul 75 (Eng)

METABOLIC ANOMALIES OF THE OBESE-HYPERGLYCEMIC (OB/OB) MICE OF BAR HARBOR. Jeanrenaud B, Assimacopoulos-Jeanret F, Loten EG, Karakash C, Le Marchand Y *Isr J Med Sci* 11: 723-9, Jul 75 (Eng)

HYPERLIPIDEMIA AND HEPATIC HYPERLIPIDEMIA IN SPINY MICE (ACOMYS CAHIRINUS) ON CARBOHYDRATE DIETS: RELATIONSHIP TO PERIPHERAL UNDERRESPONSIVENESS AND LOW INSULIN RELEASE. Shafir E, Benichou A, Orevi M *Isr J Med Sci* 11: 738-52, Jul 75 (Eng)

HORMONAL CONTROL OF CYCLIC 3:5-AMP LEVELS AND GLUCONEOGENESIS IN ISOLATED HEPATOCYTES FROM FED RATS. Pilks SJ, Claus TH, Johnson RA, Park CR *J Biol Chem* 250: 6328-36, 25 Aug 75 (Eng)

RADIORECEPTOR-INACTIVE GROWTH HORMONE ASSOCIATED WITH STIMULATED SECRETION IN NORMAL SUBJECTS. Sneyd DS, Jacobs LS, Weldon VV, Trivedi BL, Daughaday H *J Clin Endocrinol Metab* 41: 471-4, Sep 75 (Eng)

EFFECTS OF CARBOHYDRATE-FREE DIETS ON THE INSULIN-CARBOHYDRATE RELATIONSHIPS IN RATS. Carmel N, Konijn AM, Kaufman NA, Guggenheim K *J Nutr* 105: 1141-9, Sep 75 (Eng)

DIABETES AND THE SURVIVAL AND RECOVERY OF THE ANOXIC MYOCARDIUM. Hearse DJ, Stewart DA, Chain EB *J Mol Cell Cardiol* 7: 397-415, Jun 75 (Eng)

IN VITRO STIMULATION OF HUMAN BREAST TISSUE BY HUMAN PROLACTIN. Dilleay WG, Kister SJ *J Natl Cancer Inst* 55: 35-6, Jul 75 (Eng)

MAINTENANCE PERITONEAL DIALYSIS AS AN ALTERNATIVE IN THE PATIENT WITH DIABETES MELLITUS AND END-STAGE UREMIA. Blumenkrantz MJ, Shapiro DJ, Mimura N, Gropoulos DG, Griedler RM, Levin S, Tenckhoff H, Coburn JW *Kidney Int [Suppl]* 108-14, Oct 74 (Eng)

INSULIN AND HYDROCORTISONE EFFECTS ON VIABILITY AND GLYCOGEN STORES OF POSTNATAL RAT LIVER ORGAN CULTURE. Reed GB, Grisham JW *Lab Invest* 33: 298-304, Sep 75 (Eng)

GLUCOSE REGULATION BY ISOLATED NEAR TERM FETAL MONKEY LIVER. Glinsmann WH, Eisen HJ, Lynch A, Chez RA *Pediatr Res* 9: 600-4, Jul 75 (Eng)

NEUROLEPTIC-INDUCED DEFICITS IN FOOD AND WATER REGULATION: SIMILARITIES TO THE LATERAL HYPOTHALAMIC SYNDROME. Zis AP, Fibiger HC *Psychopharmacologia* 43: 63-8, 23 Jul 75 (Eng)

EFFECTS OF ALLOXAN DIABETES AND INSULIN ON MORPHOLOGY AND CERTAIN FUNCTIONAL ACTIVITIES OF MITOCHONDRIA OF THE RAT LIVER AND HEART. Marinari UM, Monacelli R, Cottalasso D, Novelli A *Acta Diabetol Lat* 11: 296-314, Jul-Aug 74 (Eng)

SYMPATHO-ADRENAL DEVELOPMENT IN PERINATALLY ADDICTED RATS. Slotkin TA, Anderson TR *Addict Dis* 2: 293-306, 1975 (Eng)

ADAPTATION TO FASTING IN BABOON. II. REGULATION OF LIPOLYSIS EARLY AND LATE IN FASTING. Koerker DJ, Goodner CJ, Chidekel EW, Einsnick JW *Am J Physiol* 229: 350-4, Aug 75 (Eng)

THE INFLUENCE OF SEROTONIN ON INSULIN-STIMULATED GASTRIC SECRETION, BLOOD GLUCOSE AND SERUM ELECTROLYTE LEVELS IN THE UNANESTHETIZED RAT. Hano J, Bugajski J, Danek L, Wantuch C *Arch Int Pharmacodyn Ther* 216: 28-39, Jul 75 (Eng)

THE EFFECT OF CARBENOXOLONE SODIUM ON THE PLASMA 11-HYDROXYCORTICOID LEVELS IN CHRONIC GASTRIC ULCERATION. Gollan JL, Hecker R, Mackinnon AM *Aust NZ J Med* 5: 231-4, Jun 75 (Eng)

HORMONE ACTION AND MEMBRANE FLUIDITY: EFFECT OF INSULIN AND CORTISOL ON THE HILL COEFFICIENTS OF RAT ERYTHROCYTE MEMBRANE-BOUND ACETYLCHOLINESTERASE AND (NA⁺ & K⁺)-ATPASE. Massa EM, Morero RD, Bloj B, Farias RN *Biochem Biophys Res Commun* 66: 115-22, 2 Sep 75 (Eng)

REQUIREMENTS FOR DIVALENT CATIONS BY HORMONAL MITOGENS AND THEIR INTERACTIONS WITH SEX STEROIDS. Morgan JI, Hall AK, Perris AD *Biochem Biophys Res Commun* 66: 188-94, 2 Sep 75 (Eng)

[INFLUENCE OF INDOLE-3-ALKANECARBOXYLIC ACIDS ON GLUCOSE UTILIZATION IN RATS] Losert W, Kraaz W *Arzneim Forsch* 25: 880-7, Jun 75 (Ger)

1.C.3.2 INSULIN, ANTAGONISTS AND INHIBITORS

1.C.3.3 INSULIN, ADVERSE EFFECTS

FACITIAL PANNICULITIS AND NECROTIZING FASCITIS IN JUVENILE DIABETES. Oh C, Ginsberg-Fellner F, Dolger H *Diabetes* 24: 856-8, Sep 75 (Eng)

MANAGEMENT OF JUVENILE DIABETES MELLITUS. Chaney C, Elders MJ *J Arkansas Med Soc* 72: 111-27, Aug 75 (Eng) [50]

[APPARENT INSULIN INCOMPATIBILITY IN A CASE OF ARTHUS PHENOMENON CAUSED BY SURFEN] Forck G, Wilhelm E, Baumeister G, Westerloh K *Med Welt* 26: 664-9, 4 Apr 75 (Ger)

ERRORS IN INSULIN DOSES DUE TO THE DESIGN OF INSULIN SYRINGES. Shainfield FJ *Pediatrics* 56: 302-3, Aug 75 (Eng)

[ENCEPHALOPATHY DUE TO PROTRACTED HYPOGLYCEMIC COMA DURING LOW-DOSE INSULIN THERAPY] Cecchini S, del Greco V *Riv Neurobiol* 18: 55-64, Jan-Mar 72 (Ita)

1.C.4 HYPERINSULINISM

HYPERINSULINEMIA, INSULIN RESISTANCE AND CATABOLIC FORMATION IN SAND RATS. Gutman A, Andreus A, Adler JH *Isr J Med Sci* 11: 714-22, Jul 75 (Eng)

INSULIN RECEPTOR DEFICIENCY IN GENETIC AND ACQUIRED OBESITY. Soli AH, Kahn CR, Neville DM Jr, Roth J *J Clin Invest* 56: 769-80, Oct 75 (Eng)

SEX STEROID INFLUENCE ON TRIGLYCERIDE METABOLISM. Kim HJ, Kalkhoff RK *J Clin Invest* 56: 888-96, Oct 75 (Eng)

[HYPOTHALAMIC ANOMALIES WITH HYPERINSULINISM ASSOCIATED WITH A CYST OF THE 3D VENTRICLE] Lelievre M, Szots F, Nadeau A *Union Med Can* 104: 422-7, Mar 75 (Fre)

DIABETES AND THE HEART. Scott RC *Am Heart J* 90: 283-9, Sep 75 (Eng) [83]

[DIAGNOSIS OF ORGANIC HYPERINSULINISM] Kramer K, Sailer FX *Anaesthesiol Intensivmed Prax* 10: 125-30, 1975 (Ger)

1.C.4.1 INSULIN COMA

[ENCEPHALOPATHY DUE TO PROTRACTED HYPOGLYCEMIC COMA DURING LOW-DOSE INSULIN THERAPY] Cecchini S, del Greco V *Riv Neurobiol* 18: 55-64, Jan-Mar 72 (Ita)

1.C.5 INSULIN ANTIBODIES

INSULIN DEGRADATION. XV. USE OF DIFFERENT ASSAY METHODS FOR THE STUDY OF MECHANISM OF ACTION OF GLUTATHIONE-INSULIN TRANSHYDROGENASE. Chandler ML, Varandani PT *Biochim Biophys Acta* 397: 307-17, 26 Aug 75 (Eng)

[AN ACUTE DIABETIC SYNDROME INDUCED IN RATS BY ANTI-INSULIN SERUM AS AN EXPERIMENTAL MODEL FOR THE STUDY OF SEVERAL ANTIDIABETIC AGENTS] Andreev D, Strashimirov D, Ditsov S, Dashev G *Eksp Med Morfol* 13: 95-101, 1974 (Bul)

POTENTIATION OF THE ADRENERGIC BETA-RECEPTOR-MEDIATED INSULIN SECRETION IN PERTUSSIS-SENSITIZED RATS. Sumi T, Ui M *Endocrinology* 97: 352-8, Aug 75 (Eng)

[THE ROLE OF THE ADRENORECEPTORS IN SEVERAL ORGANS IN REGULATING CARBOHYDRATE AND LIPID METABOLISM] Henes SH, Poltorak VV *Fiziol Zh* 20: 831-40, Nov-Dec 74 (Ukr) [126]

ANTIGENICITY OF MONOCOMPONENT PORK INSULIN IN DIABETIC SUBJECTS. Yue DK, Turtle JR *Diabetes* 24: 625-32, Jul 75 (Eng)

Diabetes Literature—Hierarchical Index

1.D GLUCAGON

EFFECT OF GLUCOSE AND ANTI-INSULIN SERUM ON INSULIN RELEASED FROM ADULT RAT ISOLATED ISLETS OF LANGERHANS IN LONG-TERM ORGAN CULTURE (FOURTEEN DAYS). Turcot-Lemay L, Lacy PE *Diabetes* 24: 658-63, Jul 75 (Eng)

LETTER: CLINICAL ASPECTS OF MONOCOMPONENT INSULIN IN DIABETES. Vinik AI, Jackson WP *Lancet* 2: 5488, 20 Sep 75 (Eng)

INSULIN ANTIBODY FORMATION DURING LONG-TERM TREATMENT WITH MONOCOMPONENT AND MONOSPECIES INSULIN. Piers DA, Sluiter WJ, Reitsma WD, Doorenbos H *Neth J Med* 17: 234-8, 1974 (Eng)

[LATE COMPLICATIONS OF DIABETES MELLITUS-CONSEQUENCE OF IMMUNOLOGIC REACTIONS] Bemm H, Lohmann D *Allerg Immunol (Leipzig)* 20-21: 15-20, 1974-75 (Ger)

1.C.6 INSULIN RESISTANCE

SYMPOSIUM I: HORMONE-FUEL INTERACTIONS IN NORMAL AND DIABETIC MAN. THE LIVER AS SITE OF INSULIN AND GLUCAGON ACTION IN NORMAL, DIABETIC AND OBESE HUMANS. Felig P, Wahren J *Isr J Med Sci* 11: 528-39, Jun 75 (Eng) [55]

HYPERINSULINEMIA, INSULIN RESISTANCE AND CATARACT FORMATION IN SAND RATS. Gutman A, Andreus A, Adler JR *Isr J Med Sci* 11: 714-22, Jul 75 (Eng)

MANAGEMENT OF JUVENILE DIABETES MELLITUS. Chaney C, Elders MJ *J Arkansas Med Soc* 72: 111-27, Aug 75 (Eng) [50]

INSULIN RECEPTOR DEFICIENCY IN GENETIC AND ACQUIRED OBESITY. Soli AH, Kahn CR, Neville DM Jr, Roth J *J Clin Invest* 56: 769-80, Oct 75 (Eng)

INSULIN AND GLUCOSE METABOLISM IN RENAL INSUFFICIENCY. Reaven GM, Weisinger JR, Swenson RS *Kidney Int [Suppl]* 63-9, Oct 74 (Eng) [39]

[LIPOATROPHIC DIABETES. REPORT OF A CASE (AUTHORS TRANSL.)] Zollner N, Dorfler H, Wolfgram G *Munch Med Wochenschr* 117: 1209-14, 18 Jul 75 (Ger)

EFFECT OF WEIGHT REDUCTION ON INSULIN RESPONSIVENESS AND TRIGLYCERIDE LEVELS IN PATIENTS WITH ENDOGENOUS HYPERTRIGLYCERIDAEMIA. De Vries O, Sluiter WJ, Reitsma WD, Doorenbos H *Neth J Med* 17: 212-19, 1974 (Eng)

INTERACTION OF ENDOGENOUS GROWTH HORMONE, CORTISOL, AND CATECHOLAMINES WITH BLOOD GLUCOSE IN CHILDREN WITH BRITTLE DIABETES MELLITUS. Bruck E, MacGillivray MH *Pediatr Res* 9: 535-41, Jun 75 (Eng)

EDITORIAL: CURRENT UNDERSTANDING OF PATHOGENESIS OF OBESITY. Fiser RH Jr, Fisher DA *South Med J* 68: 931-3, Aug 75 (Eng)

1.C.7 INSULIN, THERAPY RELATED

1.C.7.1 INSULIN, DIAGNOSTIC USE

LETTER: VAGOTOMY FOR DUODENAL ULCER. Faber RG, Parkin JV, Hobsley M *Br Med J* 3: 436, 16 Aug 75 (Eng)

GASTRIN LEVELS AFTER PROXIMAL GASTRIC VAGOTOMY. Hayes JR, Ardill J, Kennedy TL, Buchanan KD *Ir J Med Sci* 144: 349-54, Sep 75 (Eng)

ALTERED HYPOTHALAMIC-PITUITARY-ADRENAL RESPONSIVENESS TO DEXAMETHASONE-INSULIN TOLERANCE TEST IN ACTIVE ACROMEGALY. Hofeldt FD, Levin SR, Von Werder K, Becker N, Schneider V, Hane S, Seymour R, Adams JE, Forsham PH *J Clin Endocrinol Metab* 41: 399-401, Aug 75 (Eng)

[SIGNIFICANCE OF THE 2-DEOXY-D-GLUCOSE-TEST ON THE DIFFERENTIATION OF HYPOGLYCEMIA IN CHILDHOOD (AUTHORS TRANSL.)] Kruse K, Bartels H *Klin Paediatr* 187: 308-13, Jul 75 (Ger)

PARIETAL CELL VAGOTOMY. Cumberland VH, Coupland GA *Med J Aust* 2: 39-42, 12 Jul 75 (Eng)

[SERUM LEVELS OF GROWTH HORMONE IN THE COURSE OF INSULIN-INDUCED HYPOGLYCEMIA IN HYPERTHYROIDISM AND HYPOTHYROIDISM] Schneider E *Pol Tyg Lek* 30: 1311-3, 4-11 Aug 75 (Pol)

HYPOTHALAMIC AND PITUITARY FUNCTION IN HYPOGONADOTROPIC HYPOGONADISM. Paulson DF, Wiebe HR, Hammond CB *Urology* 6: 333-6, Sep 75 (Eng)

THE DIAGNOSTIC VALUE OF HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL FUNCTION TESTS IN PATIENTS WITH CUSHING SYNDROME. Hashimoto K *Acta Med Okayama* 29: 111-26, Apr 75 (Eng)

1.C.7.2 INSULIN ADMINISTRATION AND DOSAGE (SEE I.F.9.3.1)

1.C.7.3 INSULIN, THERAPEUTIC USE (SEE I.F.9.3.2)

1.C.8 INSULIN, HISTORY

1.D GLUCAGON

ECTOPIC HORMONE PRODUCTION. Smith LH *Surg Gynecol Obstet* 141: 443-53, Sep 75 (Eng) [203]

1.D.1 GLUCAGON, BIOCHEMISTRY RELATED

1.D.1.1 GLUCAGON, ANALYSIS

THE HETEROGENEITY AND DEGRADATION OF GLUCAGON STUDIED BY POLYACRYLAMIDE GEL ELECTROPHORESIS. Calam DH, Storrer PL *J Biol Stand* 3: 263-5, 1975 (Eng)

1.D.1.2 GLUCAGON, METABOLISM

DECREASED CYCLIC AMP AND INSULIN RESPONSE TO GLUCOSE IN ISOLATED ISLETS OF NEONATAL RATS. Grill V, Asplund K, Hellerstrom C, Cerasi E *Diabetes* 24: 746-52, Aug 75 (Eng)

GLUCAGON RESPONSE TO ARGININE AFTER TREATMENT OF DIABETES MELLITUS. Ohneda A, Ishii S, Horigome K, Yamagata S *Diabetes* 24: 811-9, Sep 75 (Eng)

INTERACTIONS OF GLUCAGON, GUT GLUCAGON, VASOACTIVE INTESTINAL POLYPEPTIDE AND SECRETIN WITH THEIR MEMBRANE RECEPTORS. Bataille D, Rosselin G, Freychet P *Isr J Med Sci* 11: 687-92, Jul 75 (Eng)

THE HETEROGENEITY AND DEGRADATION OF GLUCAGON STUDIED BY POLYACRYLAMIDE GEL ELECTROPHORESIS. Calam DH, Storrer PL *J Biol Stand* 3: 263-5, 1975 (Eng)

THE EFFECT OF ORAL ALANINE ON BLOOD GLUCOSE AND GLUCAGON IN THE HUMAN NEWBORN INFANT. Fiser RH, Williams PR, Fisher DA, DeLameter PV, Sperling MA, Oh W *Pediatrics* 56: 78-81, Jul 75 (Eng)

CATECHOLAMINES AND EXERCISE-INDUCED GLUCAGON AND FATTY ACID MOBILIZATION IN THE RAT. Luyckx AS, Dresse A, Cession-Fossion A, Lefebvre PJ *Am J Physiol* 229: 376-83, Aug 75 (Eng)

[THE FUNCTIONAL CYTOCHEMISTRY OF AMINE PRECURSOR UPTAKE AND DECARBOXYLATION (APUD) CELLS AND ITS USES IN PATHOLOGY] Berger G, Barthelemy C, Tabib A *Ann Anat Pathol (Paris)* 19: 371-98, Oct-Dec 74 (Fre)

1.D.1.3 GLUCAGON, BLOOD

GLUCAGON AND INSULIN RELEASE FROM THE ALLOGRAFTED CANINE PANCREAS. Brynner H, Claes G, Lernmark A *Eur Surg Res* 7: 170-80, 1975 (Eng)

PLASMA IMMUNOREACTIVE INSULIN (IRI) AND IMMUNOREACTIVE GLUCAGON (IRG) AFTER EVISCERATION WITH AND WITHOUT A FUNCTIONAL LIVER. Penhos JC, Ezequiel M, Lepp A, Ramey ER *Diabetes* 24: 637-40, Jul 75 (Eng)

EFFECT OF PHYSICAL EXERCISE ON SECRETION OF GROWTH HORMONE, GLUCAGON, AND CORTISOL IN OBESE AND DIABETIC CHILDREN. Garlaschi C, di Natale B, del Guercio MJ, Caccamo A, Gargantini L, Chiumello G *Diabetes* 24: 758-61, Aug 75 (Eng)

GLUCAGON RESPONSE TO ARGININE AFTER TREATMENT OF DIABETES MELLITUS. Ohneda A, Ishii S, Horigome K, Yamagata S *Diabetes* 24: 811-9, Sep 75 (Eng)

STUDIES ON GROWTH HORMONE SECRETION. VII. EFFECTS OF SOMATOSTATIN ON PLASMA GH, INSULIN, AND GLUCAGON IN SHEEP. Bryce D, Yeh M, Funderburk C, Todd H, Hertelendy F *Diabetes* 24: 842-50, Sep 75 (Eng)

IMMUNOREACTIVE GLUCAGON RESPONSES TO INTRAVENOUS TOLBUTAMIDE IN CHRONIC PANCREATITIS. Kalk WJ, Vinik AI, Paul M, Leller P, Jackson WP *Diabetes* 24: 851-5, Sep 75 (Eng)

[THE UTILIZATION OF CARBOHYDRATES IN STRESS SITUATIONS] Geser CA *Infusionstherapie* 1: 215-9, Feb 74 (Ger)

[UTILIZATION OF CARBOHYDRATES IN STRESS SITUATIONS] Geser CA *Infusionstherapie* 1: 215-9, Feb 74 (Ger)

INTERRELATIONS OF GLUCOSE, INSULIN AND GLUCAGON AFTER OVERNIGHT FAST AND IN RESPONSE TO ORAL GLUCOSE DURING LATE PREGNANCY. Nitzan M, Freinkel N, Metzger BE, Unger RH, Faloona GR, Daniel RR *Isr J Med Sci* 11: 617-22, Jun 75 (Eng)

THE INHIBITORY EFFECT OF SOMATOSTATIN ON GROWTH HORMONE, INSULIN AND GLUCAGON SECRETION IN DIABETES MELLITUS. Ward FR, Leblanc H, Yen SS *J Clin Endocrinol Metab* 41: 527-32, Sep 75 (Eng)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: METABOLIC COMPLICATIONS. Anonymous *Kidney Int [Suppl]* 73-6, Oct 74 (Eng)

Diabetes Literature—Hierarchical Index

1.D GLUCAGON

LETTER: THE ENDOGENOUS CATABOLIC TRAUMATIC TRIAD SYNDROME. DiNicola AF *NZ Med J* 82: 27-8, 9 Jul 75 (Eng)

THE EFFECT OF ORAL ALANINE ON BLOOD GLUCOSE AND GLUCAGON IN THE HUMAN NEWBORN INFANT. Fiser RH, Williams PR, Fisher DA, DeLameter PV, Sperling MA, Oh W *Pediatrics* 56: 78-81, Jul 75 (Eng)

[ETIOLOGY, PATHOGENESIS, DIAGNOSIS AND TREATMENT OF ACUTE PANCREATITIS] Sotysiak A *Wiad Lek* 28: 1461-5, 1 Sep 75 (Pol) [0]

BEHAVIOR OF PANCREATIC GLUCAGON, INSULIN, AND HGH IN LIVER CIRRHOSIS, AFTER ARGININE AND I.V. GLUCOSE. Greco AV, Ghirlanda G, Patrono C, Fedili G, Manna R *Acta Diabetol Lat* 11: 330-9, Jul-Aug 74 (Eng)

CATECHOLAMINES AND EXERCISE-INDUCED GLUCAGON AND FATTY ACID MOBILIZATION IN THE RAT. Luyckx AS, Dresse A, Cession-Fossion A, Lefebvre PJ *Am J Physiol* 229: 376-83, Aug 75 (Eng)

PLASMA AMINO ACID LEVELS AND DEVELOPMENT OF HEPATIC GLUCONEOGENESIS IN THE NEWBORN RAT. Girard JR, Guillet I, Marty J, Marliss EB *Am J Physiol* 229: 466-73, Aug 75 (Eng)

1.D.2 GLUCAGON, PHYSIOLOGY RELATED

1.D.2.1 GLUCAGON, PHYSIOLOGY

[GLUCAGON: PHYSIOLOGY-PATHOLOGY] Benoit G *Lille Med* 20: 230-8, Mar 75 (Fre)

[ENDOCRINE FUNCTION OF THE GASTROINTESTINAL TRACT] Shlimovich PB, Khommel Kh, Fisher U *Sov Med* 68-73, Jun 75 (Rus)

1.D.2.2 GLUCAGON, SECRETION

[DISCUSSION OF MESSRS P. LEFEBVRE AND A. LUYCKX LECTURE: GLUCAGON AND ENERGETIC SUBSTRATES PUBLISHED IN THE BULLETIN, VOL. 128, FASC. 2, 1973, PP. 163-185] Lecomte J, Lefebvre P *Bull Acad R Med Belg* 129: 143-5, 1974 (Fre)

EFFECT OF LECTINS ON HORMONE RELEASE FROM ISOLATED RAT ISLETS OF LANGERHANS. Ewart RB, Kornfeld S, Kipnis DM *Diabetes* 24: 705-14, Aug 75 (Eng)

ARGININE-STIMULATED ACUTE PHASE OF INSULIN AND GLUCAGON SECRETION. I. IN NORMAL MAN. Palmer JP, Walter RM, Einsick JW *Diabetes* 24: 735-40, Aug 75 (Eng)

EFFECT OF PHYSICAL EXERCISE ON SECRETION OF GROWTH HORMONE, GLUCAGON, AND CORTISOL IN OBESE AND DIABETIC CHILDREN. Garlaschi C, di Natale B, del Guercio MJ, Caccamo A, Gargantini L, Chiumello G *Diabetes* 24: 758-61, Aug 75 (Eng)

STUDIES ON GROWTH HORMONE SECRETION. VII. EFFECTS OF SOMATOSTATIN ON PLASMA GH, INSULIN, AND GLUCAGON IN SHEEP. Bryce D, Yeh M, Funderburk C, Todd H, Hertelendy F *Diabetes* 24: 842-50, Sep 75 (Eng)

IMMUNOREACTIVE GLUCAGON RESPONSES TO INTRAVENOUS TOLBUTAMIDE IN CHRONIC PANCREATITIS. Kalk WJ, Vinik AI, Paul M, Leller P, Jackson WP *Diabetes* 24: 851-5, Sep 75 (Eng)

SYMPOSIUM II: FETOMATERNAL UNIT IN DIABETES. CLINICAL AND EXPERIMENTAL ASPECTS. FUNCTION OF THE FETAL

ENDOCRINE PANCREAS. Asplund K, Andersson A, Jarrouse C, Hellerstrom C *Isr J Med Sci* 11: 581-90, Jun 75 (Eng) [50]

EDITORIAL: GLUCAGON AND SHOCK. Vaisrub S *JAMA* 233: 1195, 15 Sep 75 (Eng)

TOXICITY ARISING FROM THE UREA CYCLE. Cohen BD, Handelsman DG, Pai BN *Kidney Int [Suppl]* 285-7, Feb 75 (Eng)

[ENDOCRINE FUNCTION OF THE GASTROINTESTINAL TRACT] Shlimovich PB, Khommel Kh, Fisher U *Sov Med* 68-73, Jun 75 (Rus)

[SOMATOTROPIN INSUFFICIENCY. I. METABOLIC AND HORMONAL DISORDERS] Popa M *Stud Cercet Endocrinol* 23: 219-34, 1972 (Rum) [67]

BEHAVIOR OF PANCREATIC GLUCAGON, INSULIN, AND HGH IN LIVER CIRRHOSIS, AFTER ARGININE AND I.V. GLUCOSE. Greco AV, Ghirlanda G, Patrono C, Fedili G, Manna R *Acta Diabetol Lat* 11: 330-9, Jul-Aug 74 (Eng)

ADAPTATION TO FASTING IN BABOON. II. REGULATION OF LIPOLYSIS EARLY AND LATE IN FASTING. Koerker DJ, Goodner CJ, Chideckel EW, Einsick JW *Am J Physiol* 229: 350-4, Aug 75 (Eng)

1.D.3 GLUCAGON, PHARMACOLOGY RELATED

1.D.3.1 GLUCAGON, ADMINISTRATION AND DOSAGE

[USE OF GLUCAGON IN SMALL DOSES AND REINFUSION OF DESALTED AND CONCENTRATED ASCITIC FLUID IN THE THERAPY OF REFRACTORY CARDIAC DECOMPENSATION] Vancini B, Govoni P, Caio M *Boll Soc Ital Cardiol* 19: 401-7, 1974 (Ita)

[COMPARISON OF BLOOD GLUCOSE AND INSULIN CONCENTRATIONS IN MAN AFTER INTRAVENOUS INJECTION OF 1.0, 0.1 AND 0.01 MG OF GLUCAGON (AUTHORS TRANSL.)] Okuno G *Folia Endocrinol Jpn* 51: 202-8, 20 Apr 75 (Jpn)

1.D.3.2 GLUCAGON, PHARMACODYNAMICS

[COMPARISON OF INSULIN REACTIONS IN VARICUS DISEASES TO GLUCOSE, ARGinine, AND GLUCAGON] Taminato A, Inoue Y, Mori K, Goto K, Kurahachi H *Clin Endocrinol (Tokyo)* 23: 373-9, Apr 75 (Jpn)

IN VITRO STIMULATION OF HEPATIC GLUCOGEN PHOSPHORYLASE ACTIVITY BY EPINEPHRINE AND GLUCAGON IN THE KILLIFISH, FUNDULUS HETEROCLOTUS. Umminger BL, Benziger D, Levy S *Comp Biochem Physiol [C]* 51: 111-5, 1 Jun 75 (Eng)

POTENTIATION OF THE ADRENERGIC BETA-RECEPTOR-MEDIATED INSULIN SECRETION IN PERTUSSIS-SENSITIZED RATS. Sumi T, Ui M *Endocrinology* 97: 352-8, Aug 75 (Eng)

REGULATION OF IN VITRO INSULIN RELEASE FROM A TRANSPLANTABLE SYRIAN HAMSTER INSULINOMA. Shapiro S, Eto S, Fleischer N, Baum SG *Endocrinology* 97: 442-7, Aug 75 (Eng)

[THE ROLE OF THE ADRENORECEPTORS IN SEVERAL ORGANS IN REGULATING CARBOHYDRATE AND LIPID METABOLISM] Henes SH, Poltorak VV *Fiziol Zh* 20: 831-40, Nov-Dec 74 (Ukr) [126]

[COMPARISON OF BLOOD GLUCOSE AND INSULIN CONCENTRATIONS IN MAN AFTER INTRAVENOUS INJECTION OF 1.0, 0.1 AND 0.01 MG OF GLUCAGON (AUTHORS TRANSL.)] Okuno G *Folia Endocrinol Jpn* 51: 202-8, 20 Apr 75 (Jpn)

HORMONAL REGULATION OF INCORPORATION OF ALANINE-U-14C INTO GLUCOSE IN HUMAN FETAL LIVER EXPLANTS. EFFECT OF DIBUTYRYL CYCLIC AMP, GLUCAGON, INSULIN, AND TRIAMCINOLONE. Schwartz AL, Rall TW *Diabetes* 24: 650-7, Jul 75 (Eng)

GASTRIC OPERATIONS AND GLUCOSE HOMEOSTASIS. II. GLUCAGON AND SECRETIN. Breuer RI, Zuckerman L, Hauch TW, Green W, OGara P, Lawrence AM, Foa PP, Matsuyama T *Gastroenterology* 69: 598-606, Sep 75 (Eng)

HORMONAL CONTROL OF CYCLIC 3:5-AMP LEVELS AND GLUCONEOGENESIS IN ISOLATED HEPATOCYTES FROM FED RATS. Pilakis SJ, Claus TH, Johnson RA, Park CR *J Biol Chem* 250: 6328-36, 25 Aug 75 (Eng)

INHIBITION OF BASAL AND HORMONE-STIMULATED ADENYLATE CYCLASE IN ADIPOCYTE GHOSTS BY THE PROSTAGLANDIN ENDOPEROXIDE PROSTAGLANDIN H₂. Gorman RR, Hamberg M, Samuelson B *J Biol Chem* 250: 6460-3, 25 Aug 75 (Eng)

LACK OF FEEDBACK REGULATION OF CYCLIC 3:5-AMP ACCUMULATION BY FREE FATTY ACIDS IN CHICKEN FAT CELLS. Malgieri JA, Shepherd RE, Fain JN *J Biol Chem* 250: 6593-8, 25 Aug 75 (Eng)

LIVER MEMBRANE ADENYLATE CYCLASE. SYNERGISTIC EFFECTS OF ANIONS ON FLUORIDE, GLUCAGON, AND GUANYL NUCLEOTIDE STIMULATION. Johnson RA, Pilakis SJ, Hamet P *J Biol Chem* 250: 6599-607, 25 Aug 75 (Eng)

ACTION OF GLUCAGON AND ATROPINE ON MUCOSAL BLOOD FLOW OF RESITING FUNDIC POUCHES OF DOGS. Warrick M, Lin TM *Life Sci* 17: 333-8, 1 Aug 75 (Eng)

STIMULATION OF RAT LIVER ADENYLATE CYCLASE BY HALOTHANE. Rosenberg H, Pohl S *Life Sci* 17: 431-4, 1 Aug 75 (Eng)

THE EFFECT OF INCREASED PULMONARY BLOOD FLOW ON THE PULMONARY VASCULAR BED IN PIGS. Friedl B, Kent G, Kidd BS *Pediatr Res* 9: 547-53, Jun 75 (Eng)

GLUCOSE REGULATION BY ISOLATED NEAR TERM FETAL MONKEY LIVER. Ginsmann WH, Eisen HJ, Lynch A, Chez RA *Pediatr Res* 9: 600-4, Jul 75 (Eng)

[TEMPORAL RELATIONSHIP CONCERNING CHANGES IN BLOOD INSULIN, SUGAR AND ADENOSINE-35-MONOPHOSPHATE FOLLOWING ADMINISTRATION OF GLUCAGON TO HEALTHY SUBJECTS] Czekalski S, Kosowicz J, Kozak W, Ruskowska J *Pol Arch Med Wewn* 54: 127-32, Aug 75 (Pol)

[EFFECT OF GLUCAGON ON INSULIN SECRETION IN ACUTE VIRAL HEPATITIS] Kiczka W, Juszczyk J, Adamek J, Kosowicz J, Porawska J *Pol Tyg Lek* 30: 1295-8, 4-11 Aug 75 (Pol)

[EFFECT OF GLUCAGON ON THE LEFT VENTRICULAR FUNCTION IN PATIENTS WITH CONGESTIVE HEART FAILURE (AUTHORS TRANSL.)] Dubiel JS, Pyzik A, Szczeklik J, Dubiel JP, Cibor E *Przegl Lek* 32: 662-8, 1975 (Pol)

ADAPTATION TO FASTING IN BABOON. II. REGULATION OF LIPOLYSIS EARLY AND LATE IN FASTING. Koerker DJ, Goodner CJ,

Diabetes Literature—Hierarchical Index

1.E BLOOD SUGAR, URINE SUGAR AND RELATED TOPICS

Chideckel EW, Ensineck JW *Am J Physiol* 229: 350-4, Aug 75 (Eng)

REQUIREMENTS FOR DIVALENT CATIONS BY HORMONAL MITOGENS AND THEIR INTERACTIONS WITH SEX STEROIDS. Morgan JI, Hall AK, Perris AD *Biochem Biophys Res Commun* 66: 188-94, 2 Sep 75 (Eng)

1.D.3.3 GLUCAGON, TOXICITY

1.D.4 GLUCAGON, THERAPY RELATED

1.D.4.1 GLUCAGON, DIAGNOSTIC USE

[NON-FUNCTIONING ADRENOCORTICAL CARCINOMA AND FOCAL CHRONIC PYELONEPHRITIS] Yanez AP, Fernandez CJ, Mejias MM, Rojas MT, Velasco FT, Cortina de Luna JL *Rev Clin Exp* 137: 565-70, 30 Jun 75 (Spa)

[DIAGNOSIS OF ORGANIC HYPERINSULINISM] Kramer K, Sailer FX *Anaesthesiol Intensivmed Prax* 10: 125-30, 1975 (Ger)

GLUCAGON-BLOOD CATECHOLAMINE TEST: USE IN ISOLATED AND FAMILIAL PHEOCHROMOCYTOMA. Siqueira-Filho AG, Sheps SG, Maher FT, Jiang NS, Elveback LR *Arch Intern Med* 135: 1227-31, Sep 75 (Eng)

1.D.4.2 GLUCAGON, THERAPEUTIC USE

[USE OF GLUCAGON IN SMALL DOSES AND REINFUSION OF DESALTED AND CONCENTRATED ASCITIC FLUID IN THE THERAPY OF REFRACTORY CARDIAC DECOMPENSATION] Vancini B, Govoni P, Caio M *Boll Soc Ital Cardiol* 19: 401-7, 1974 (Ita)

[GLUCAGON: PHYSIOLOGY-PATHOLOGY] Benoit G *Lille Med* 20: 230-8, Mar 75 (Fre)

[ETIOLOGY, PATHOGENESIS, DIAGNOSIS AND TREATMENT OF ACUTE PANCREATITIS] Sotysiak A *Wiad Lek* 28: 1461-5, 1 Sep 75 (Pol) [0]

EDITORIAL: THE TREATMENT OF ACUTE PANCREATITIS. Trapnell JE *Acta Gastroenterol Belg* 38: 171-81, May-Jun 75 (Eng)

1.E BLOOD SUGAR, URINE SUGAR AND RELATED TOPICS

1.E.1 BLOOD SUGAR

CARBOHYDRATE METABOLISM IN PREGNANCY. PART I. DIURNAL PLASMA GLUCOSE PROFILE IN NORMAL AND DIABETIC WOMEN. Gillmer MD, Beard RW, Brooke FM, Oakley NW *Br Med J* 3: 399-402, 16 Aug 75 (Eng)

CARBOHYDRATE METABOLISM IN PREGNANCY. PART II. RELATION BETWEEN MATERNAL GLUCOSE TOLERANCE AND GLUCOSE METABOLISM IN THE NEWBORN. Anonymous *Br Med J* 3: 402-4, 16 Aug 75 (Eng)

LETTER: ACUTE SYSTOLIC HYPERTENSION DURING MYOCARDIAL INFARCTION. Oliver MF *Br Med J* 3: 432, 16 Aug 75 (Eng)

UNDER-RESPONSIVENESS OF GROWTH HORMONE SECRETION AFTER L-DOPA AND DEEP SLEEP STIMULATION IN OBSE SUBJECTS. Laurian L, Oberman Z, Ayalon D, Cor-

dova T, Herzberg M, Horer E, Harell A *Isr J Med Sci* 11: 482-7, May 75 (Eng)

CIRCULATING NSILA-S IN MAN: PRELIMINARY STUDIES OF STIMULI IN VIVO AND OF BINDING TO PLASMA COMPONENTS. Megyesi K, Kahn CR, Roth J, Gorden P *J Clin Endocrinol Metab* 41: 475-84, Sep 75 (Eng)

[GLUCAGON: PHYSIOLOGY-PATHOLOGY] Benoit G *Lille Med* 20: 230-8, Mar 75 (Fre)

[PRACTICAL POSTGRADUATE COURSE IN DIABETOLOGY (AUTHORS TRANSL.)] Berger W *Praxis* 64: 626-31, 20 May 75 (Ger)

[PRACTICAL POSTGRADUATE COURSE IN DIABETOLOGY (AUTHORS TRANSL.)] Berger W *Praxis* 64: 626-31, 20 May 75 (Ger)

[STRESS SENSITIVITY AND ADAPTATION] Baumann K *Z Gesamte Inn Med* 30: suppl 017-30 concl, 15 Apr 75 (Ger)

[BLOOD GLUCOSE AND IMMUNOREACTIVE INSULIN IN CHILDREN WITH DIABETIC SIBLINGS AND DIABETIC MOTHERS (AUTHORS TRANSL.)] Waldhausl W, Rosenkranz A, Dudeczak R *Z Kinderheilkd* 120: 59-68, 1 Jul 75 (Ger)

A NEW CONCEPT FOR THE EVALUATION OF THE BLOOD GLUCOSE AND INSULIN RESPONSES OF HEALTH SUBJECTS FOLLOWING AN ORAL GLUCOSE LOAD. Szabo O, Oppermann W, Victor C, Camerini-Davalos RA *Acta Diabetol Lat* 11: 265-76, Jul-Aug 74 (Eng)

CONTROL OF DIABETIC PATIENTS: COMPARISON OF INFORMATION OBTAINED FROM FASTING BLOOD SUGAR LEVEL AND THE GLYCEMIC CYCLE. Mejean L, Drouin P, Martin JM, Debry G *Acta Diabetol Lat* 11: 340-6, Jul-Aug 74 (Eng)

CHANGES ASSOCIATED WITH QUITTING CIGARETTE SMOKING: THE FRAMINGHAM STUDY. Gordon T, Kannel WB, Dawber TR, McGee D *Am Heart J* 90: 322-8, Sep 75 (Eng)

ADAPTATION TO FASTING IN BABOON. II. REGULATION OF LIPOLYSIS EARLY AND LATE IN FASTING. Koerker DJ, Goodner CJ, Chideckel EW, Ensineck JW *Am J Physiol* 229: 350-4, Aug 75 (Eng)

CATECHOLAMINES AND EXERCISE-INDUCED GLUCAGON AND FATTY ACID MOBILIZATION IN THE RAT. Luyckx AS, Dresse A, Cession-Fossion A, Lefebvre PJ *Am J Physiol* 229: 376-83, Aug 75 (Eng)

PLASMA AMINO ACID LEVELS AND DEVELOPMENT OF HEPATIC GLUCONEOGENESIS IN THE NEWBORN RAT. Girard JR, Guillet I, Marty J, Marliiss EB *Am J Physiol* 229: 466-73, Aug 75 (Eng)

HYPORESPONSIVENESS TO GLUCOPRIVATION DURING POSTNATAL PERIOD IN THE RAT. Gil-Ad I, Udeschini G, Cocchi D, Muller EE *Am J Physiol* 229: 512-7, Aug 75 (Eng)

EFFECTS UPON GLUCOSE METABOLISM OF FEEDING A LOW- OR HIGH-ROUGHAGE DIET AT TWO LEVELS OF INTAKE TO SHEEP. Evans E, Buchanan-Smith JG *Br J Nutr* 33: 33-44, Jan 75 (Eng)

ISOLATION AND BIOLOGICAL CHARACTERIZATION OF FRAGMENTS OF HUMAN GROWTH HORMONE PRODUCED BY DIGESTION WITH PLASMIN. Reagan CR, Mills JB, Kostyo JL, Wilhelmi AE *Endocrinology* 96: 625-36, Mar 75 (Eng)

AGE-DEPENDENT CHANGES IN THE SENSITIVITY OF THE RAT TO A DIABETOGENIC AGENT

(STREPTOZOTOCIN). Masiello P, De Paoli A, Bergamini E *Endocrinology* 96: 787-9, Mar 75 (Eng)

FINDINGS IN ROUTINE LABORATORY EXAMINATION IN PROGRESSIVE MYOCLONUS EPILEPSY. Koskineniemi M *Acta Neurol Scand* 51: 12-20, Jan 75 (Eng)

THE EFFECT OF PHYSICAL EXERCISE ON GLYCOGEN METABOLISM IN THE RAT LIVER. Boblewicz D, Ranc-Bukowska E, Obuchowicz B *Acta Physiol Pol* 25: 29-38, Jan-Feb 74 (Eng)

RISK FACTORS FOR MYOCARDIAL INFARCTION AND DEATH DUE TO ISCHEMIC HEART DISEASE AND OTHER CAUSES. Tibblin G, Wilhelmsen L, Werkö L *Am J Cardiol* 35: 514-22, Apr 75 (Eng)

EFFECT OF ACTH ON LIPOLYSIS IN ADIPOSE TISSUE OF NORMAL AND ADRENALECTOMIZED RATS IN VIVO. Spirovski MZ, Kovacev VP, Spasovska M, Chernick SS *Am J Physiol* 228: 382-5, Feb 75 (Eng)

1.E.1.1 BLOOD SUGAR, ANALYSIS

DETERMINATION OF PHENFORMIN IN BIOLOGICAL FLUIDS USING CHEMICAL IONIZATION MASS SPECTROMETRY. Matin SB, Karam JH, Forsham PH, Knight JB *Biomed Mass Spectrom* 1: 320-2, Oct 74 (Eng)

[MECHANISM OF ACTION OF GLUCIDONE (AUTHORS TRANSL.)] Zilker T, Ermler R, Hendrikott U, Bottermann P *Dtsch Med Wochenschr* 100: 1733-4, 1739-41, 29 Aug 75 (Ger)

NEUROCHEMICAL CORRELATES OF ALLOXAN DIABETES: I. RIBONUCLEIC ACID AND PROTEIN LEVELS OF AMPHIBIAN BRAIN. Nayeemunnisa *Experientia* 31: 942-3, 15 Aug 75 (Eng)

THE ENTERAL INSULIN-STIMULATION AFTER WHIPPES OPERATION. Rehfeld JF, Stadil F, Baden H, Fischerman K *Diabetologia* 11: 207-10, Jun 75 (Eng)

GASTRIC OPERATIONS AND GLUCOSE HOMEOSTASIS. II. GLUCAGON AND SECRETIN. Breuer RI, Zuckerman L, Hauch TW, Green W, Ogara P, Lawrence AM, Foa PP, Matsuyama T *Gastroenterology* 69: 598-606, Sep 75 (Eng)

CEREBROSPINAL FLUID AND BLOOD SUGAR RATIO IN HEALTH AND DISEASE: DIAGNOSTIC AND PROGNOSTIC SIGNIFICANCE IN INTRACRANIAL INFECTIONS. Reddi YR, Rao VS, Parthasaradhi J, Laxman S *Indian Pediatr* 12: 401-5, May 75 (Eng)

[THE PATHOGENESIS OF POSTOPERATIVE DISTURBANCES OF CARBOHYDRATE METABOLISM] Stremmel W *Infusionstherapie* 1: 294-304, Apr 74 (Ger)

[THE INFLUENCE OF ALPHA RECEPTOR BLOCKADERS ON INSULIN SECRETION STIMULATED BY GLUCOSE DURING ANESTHESIA AND SURGERY] Stremmel W *Infusionstherapie* 1: 307-13, Apr 74 (Ger)

[THE METABOLISM OF THE SPANCHNIC REGION UNDER THE INFLUENCE OF FRUCTOSE] Dietze G, Wicklmayr M, Hepp KD, Grunst J, Stiegler G, Mehnert H *Infusionstherapie* 1: 352-5, Oct 74 (Ger)

[PARENTERAL ADMINISTRATION OF SUGAR SUBSTITUTES WITH SPECIAL REFERENCE TO DIABETES MELLITUS] Haslbeck M *Infusionstherapie* 1: 569-76, Oct 74 (Ger)

GASTRIN LEVELS AFTER PROXIMAL GASTRIC VAGOTOMY. Hayes JR, Ardill J, Kennedy TL, Buchanan KD *Ir J Med Sci* 144: 349-54, Sep 75 (Eng)

Diabetes Literature—Hierarchical Index

1.E BLOOD SUGAR, URINE SUGAR AND RELATED TOPICS

- METABOLIC RHYTHMS IN NORMAL AND DIABETIC MAN. STUDIES IN INSULIN-TREATED DIABETES.** Alberti KG, Dornhorst A, Rowe AS *Isr J Med Sci* 11: 571-80, Jun 75 (Eng)
- METABOLIC PROFILES IN PREGNANCY.** Gillmer MD, Oakley NW, Brooke FM, Beard RW *Isr J Med Sci* 11: 601-8, Jun 75 (Eng)
- TREATMENT OF DIABETIC PREGNANCY.** Persson B *Isr J Med Sci* 11: 609-16, Jun 75 (Eng)
- INTERRELATIONS OF GLUCOSE, INSULIN AND GLUCAGON AFTER OVERNIGHT FAST AND IN RESPONSE TO ORAL GLUCOSE DURING LATE PREGNANCY.** Nitzan M, Freinkel N, Metzger BE, Unger RH, Faloona GR, Daniel RR *Isr J Med Sci* 11: 617-22, Jun 75 (Eng)
- MATERNAL AND FETAL RESPONSE TO RAPID GLUCOSE LOADING IN PREGNANCY AND LABOR.** Zakut H, Mashichi S, Blankstein J, Serr DM *Isr J Med Sci* 11: 632-7, Jun 75 (Eng)
- DEFECTIVE INSULIN SECRETION IN THE SPINY MOUSE (ACOMYS CAHIRINUS). POSSIBLE VALUE IN THE STUDY OF THE PATHOPHYSIOLOGY OF DIABETES.** Rabinovitch A, Gutzeit A, Grill V, Kikuchi M, Renold AE, Cerasi E *Isr J Med Sci* 11: 730-7, Jul 75 (Eng)
- APPETITE AND INSULIN-METABOLITE HARMONY IN PORTAL BLOOD OR SHEEP FED HIGH OR LOW ROUGHAGE DIET WITH OR WITHOUT INTRAMURAL INFUSION OF VFA.** Bhattacharya AN, Alulu M *J Anim Sci* 41: 225-33, Jul 75 (Eng)
- ACUTE-PHASE INSULIN SECRETION AND GLUCOSE TOLERANCE IN YOUNG AND AGED NORMAL MEN AND DIABETIC PATIENTS.** Palmer JP, Ensink JW *J Clin Endocrinol Metab* 41: 498-503, Sep 75 (Eng)
- INHIBITORY EFFECT OF PREDNISONE ON INSULIN SECRETION IN MAN: MODEL FOR DUPLICATION OF BLOOD GLUCOSE CONCENTRATION.** Kalhan SC, Adam PA *J Clin Endocrinol Metab* 41: 600-10, Sep 75 (Eng)
- FEEDING BEHAVIOR IN MONKEYS WITH SPONTANEOUS DIABETES MELLITUS.** Hamilton CL, Lewis D *J Med Primatol* 4: 145-53, 1975 (Eng)
- DIABETES AND THE SURVIVAL AND RECOVERY OF THE ANOXIC MYOCARDIUM.** Hearse DJ, Stewart DA, Chain EB *J Mol Cell Cardiol* 7: 397-415, Jun 75 (Eng)
- POSTPRANDIAL HYPOGLYCEMIA. FACT OR FICTION.** Hofeldt FD, Adler RA, Herman RH *JAMA* 233: 1309, 22 Sep 75 (Eng)
- INSULIN AND GLUCOSE METABOLISM IN RENAL INSUFFICIENCY.** Reaven GM, Weisinger JR, Swenson RS *Kidney Int [Suppl]* 63-9, Oct 74 (Eng) [39]
- [ETHANOL ELIMINATION IN CHILDHOOD]** Schippan R, Wagler S, Zschocke D *Kindertartzl Prax* 43: 193-201, May 75 (Ger)
- [LABORATORY METHODS AND DIAGNOSTIC PROCEDURES IN DIABETES MELLITUS]** Haslbeck M *Med Welt* 26: 1560-6, 5 Sep 75 (Ger)
- [RISK FACTORS OF CORONARY HEART DISEASES IN HOSPITALIZED PSYCHIC PATIENTS]** Schwalb H *Munch Med Wochenschr* 117: 1181-8, 11 Jul 75 (Ger)
- [LIPOATROPHIC DIABETES. REPORT OF A CASE (AUTHORS TRANSL.)]** Zollner N, Dorfner H, Wolfram G *Munch Med Wochenschr* 117: 1209-14, 18 Jul 75 (Ger)
- INTERACTION OF ENDOGENOUS GROWTH HORMONE, CORTISOL, AND CATECHOLAMINES WITH BLOOD GLUCOSE IN CHILDREN WITH BRITTLE DIABETES MELLITUS.** Bruck E, MacGillivray MH *Pediatr Res* 9: 535-41, Jun 75 (Eng)
- STIMULATION OF GROWTH HORMONE SECRETION BY LEVODOPA-PROPRANOLOL IN CHILDREN AND ADOLESCENTS.** Anonymous *Pediatrics* 56: 262-6, Aug 75 (Eng)
- [TEMPORAL RELATIONSHIP CONCERNING CHANGES IN BLOOD INSULIN, SUGAR AND ADENOSINE-35-MONOPHOSPHATE FOLLOWING ADMINISTRATION OF GLUCAGON TO HEALTHY SUBJECTS]** Czekalski S, Kosowicz J, Kozak W, Ruzsowska J *Pol Arch Med Wewn* 54: 127-32, Aug 75 (Pol)
- [SERUM LEVELS OF GROWTH HORMONE IN THE COURSE OF INSULIN-INDUCED HYPOGLYCEMIA IN HYPERTHYROIDISM AND HYPOTHYROIDISM]** Schneider E *Pol Tyg Lek* 30: 1311-3, 4-11 Aug 75 (Pol)
- [A CLINICAL STUDY OF A NEW SULFONYLUREA HYPOGLYCEMIC AGENT: GLIPIZIDE (GLIBENESE)(AUTHORS TRANSL.)]** Cochet B, Balant L, Rilliet B, Zahnd G *Praxis* 64: 562-8, 6 May 75 (Fre)
- BLOOD SUGAR IN INFANTILE GASTRO-ENTERITIS.** Glyn-Jones R *S Afr Med J* 49: 1474-6, 23 Aug 75 (Eng)
- DECREASED CARBOHYDRATE TOLERANCE IN PREGNANT PATIENTS WITH AN EARLY MENARCHE.** Loffer FD *Am J Obstet Gynecol* 123: 180-4, 15 Sep 75 (Eng)
- [PANCREATIC TRANSPLANTATION: ENDOCRINE FUNCTION OF THE GRAFTED PANCREAS. CURRENT DATA AND FUTURE PROSPECTS]** Eloy R, Jaek D, Schang JC, Van-nareth T, Gillet M, Grenier JF, Moody AJ *Ann Chir* 29: 559-69, Jun 75 (Fre)
- CARBOHYDRATE INTOLERANCE IN CARCINOMA OF THE LUNG.** Ennis GC, Cameron DP, Burger HG *Aust N Z J Med* 4: 555-60, Dec 74 (Eng)
- THE EFFECT OF CARBENOXOLONE SODIUM ON THE PLASMA 11 HYDROXYCORTICOID LEVELS IN CHRONIC GASTRIC ULCERATION.** Gollan JL, Hecker R, Mackinnon AM *Aust N Z J Med* 5: 231-4, Jun 75 (Eng)
- [THE PHYSIOLOGY OF THE ISOLATED DOG PANCREAS—THE INFLUENCE OF THE ACTUAL BLOOD GLUCOSE LEVEL ON THE BLOOD CIRCULATION IN THE PANCREAS]** Hempfling H, Husemann B *Arzneim Forsch* 25: 916-8, Jun 75 (Ger)
- HYPERTENSIA INDUCED BY BILATERAL DESTRUCTION OF THE LOCUS COERULEUS IN RATS.** Osumi Y, Oishi R, Fujiwara H, Takaori S *Brain Res* 86: 419-27, 28 Mar 75 (Eng)
- THE EFFECTS OF CAPTURE, STRESS, AND STORAGE OF WHOLE BLOOD ON THE RED BLOOD CELLS, PLASMA PROTEINS, GLUCOSE, AND ELECTROLYTES OF THE WINTER FLOUNDER (PSEUDOPLEURONECTES AMERICANUS).** Fletcher GL *Can J Zool* 53: 197-206, Feb 75 (Eng)
- THE EFFECT OF EXERCISE ON BLOOD METABOLITE LEVELS IN THE HORSE.** Anderson MG *Equine Vet J* 7: 27-33, Jan 75 (Eng)
- [RESPONSES TO EXOGENOUS NOREPINEPHRINE IN RATS REARED IN COLD FOR SUCCESSIVE GENERATIONS, WITH SPECIAL REFERENCE TO CHANGES IN METABOLITES IN THE BLOOD (AUTHORS TRANSL.)]** Moriya K, Mackubo H, Ito S *Hokkaido J Med Sci* 49: 98-102, Mar 74 (Jpn)
- CHANGES IN PLASMA CORTISOL, GLUCOSE AND FREE FATTY ACIDS AFTER CAFFEINE INGESTION IN OBESE WOMEN.** Oberman Z, Herzberg M, Jaskolka H, Harell A, Hoerer E, Laurian L *Isr J Med Sci* 11: 33-6, Jan 75 (Eng)
- EFFECT OF HIGH AMBIENT TEMPERATURE AND LOW HUMIDITY ON NUTRIENT UTILIZATION AND ON SOME PHYSIOLOGICAL RESPONSES IN AWASI SHEEP FED DIFFERENT LEVELS OF ROUGHAGE.** Bhattacharya AN, Uwayjan MJ *Anim Sci* 40: 320-8, Feb 75 (Eng)
- DEPRESSED ENDOGENOUS FIBRINOLYTIC ACTIVITY IN ESSENTIAL HYPERTENSION.** Tsapogas MJ, Peabody RA, Wu KT, Devraj KT, Eckert C *J Cardiovasc Surg (Torino)* 15: 651-4, Nov-Dec 74 (Eng)
- BIOCHEMICAL CHANGES IN LYMPH INDUCED BY HAEMORRHAGIC SHOCK IN DOGS.** Badrain IG, Adel-Kader MM, Ismail AA, Iskander F, Said MI, Barsoum MS *J Egypt Med Assoc* 57: 72-9, 1974 (Eng)
- PHYSIOLOGICAL EFFECT OF ORALLY ADMINISTERED ENDOTOXIN TO MAN.** Emodi L, Ralovich B, Barna K, Brusch G, Ternak G *J Hyg Epidemiol Microbiol Immunol (Prague)* 18: 454-8, 1974 (Eng)
- BIOCHEMICAL PARAMETERS IN THE PATAS MONKEY.** Paterson M *Lab Anim* 9: 21-31, Jan 75 (Eng)
- CONTROL OF VENTRICULAR ARRHYTHMIAS DURING MYOCARDIAL INFARCTION BY ANTILIPOLYTIC TREATMENT USING A NICOTINIC-ACID ANALOGUE.** Rowe MJ, Neilson JM, Oliver MF *Lancet* 1: 295-300, 8 Feb 75 (Eng)
- LETTER: HIGH-DENSITY LIPOPROTEIN AND ATHEROSCLEROSIS.** Anonymous *Lancet* 1: 691, 22 Mar 75 (Eng)
- BLOOD SAMPLING THROUGH UMBILICAL CATHETERS.** Brown DR, Fenton LJ, Tsang RC *Pediatrics* 55: 257-60, Feb 75 (Eng)
- [CARCINOMA OF THE ADRENAL CORTEX]** Dzhurin DS, Michin IV, Popovich S, Manoilovich DL, Dzhordzhovich P *Probl Endokrinol (Mosk)* 20: 51-6, May-Jun 74 (Rus)
- IN VITRO METABOLISM OF PACKED ERYTHROCYTES STORED IN CPD-ADENINE.** Bensing TA, Metro J, Beutler E *Transfusion* 15: 135-9, Mar-Apr 75 (Eng)
- THE EFFECT OF AGITATION ON IN VITRO METABOLISM OF ERYTHROCYTES STORED IN CPD-ADENINE.** Bensing TA, Metro J, Beutler E *Transfusion* 15: 140-3, Mar-Apr 75 (Eng)
- [ACTIVITY OF THE KALLIKREIN-KININ SYSTEM IN EXPERIMENTAL MYOCARDIAL INFARCT IN DOGS AND THE EFFECT OF CATECHOLAMINES]** Stukalova TI, Lazareva SA, Ternovaia LA *Vopr Med Khim* 21: 88-91, Jan-Feb 75 (Rus)
- [EFFECT OF THERAPEUTIC DOSES OF PROPRANOLOL ON BLOOD GLUCOSE LEVEL]** Kondrak R *Wiad Lek* 28: 461-4, 15 Mar 75 (Pol)
- [THYMO-LYMPHATIC STATUS AS A CAUSE OF CARDIAC ARREST]** Kubicz Z, Friedenberg W, Halter J *Wiad Lek* 28: 491-3, 15 Mar 75 (Pol)
- STUDIES ON THE ADRENERGIC GLYCOGENOLYTIC RECEPTOR IN MAN.**

Diabetes Literature—Hierarchical Index

1.E BLOOD SUGAR, URINE SUGAR AND RELATED TOPICS

- Szczawinska K, Szczawinski R, Badyda C, Cenajek D *Acta Physiol Pol* 25: 43-7, Jan-Feb 74 (Eng)
- MYOCARDIAL METABOLISM DURING PENTOBARBITAL ANESTHESIA IN DOGS.** Durham BC, Miller HI *Anesthesiology* 42: 464-70, Apr 75 (Eng)
- [REVERSIBLE AND IRREVERSIBLE HEMORRHAGIC SHOCK IN RATS. METHODS AND RESULTS OF A STANDARDIZED SHOCK MODEL (AUTHORS TRANSL)]** Flenker H, Grupner E *Beitr Pathol* 153: 339-52, 1974 (Ger)
- 1.E.1.2 BLOOD SUGAR, BIOSYNTHESIS**
- 1.E.1.3 BLOOD SUGAR, METABOLISM**
- THE PANCREATIC INSULIN CONTENT AND ITS RELATIONSHIP TO PLASMA GLUCOSE AND FREE FATTY ACID CONCENTRATIONS IN THE EMBRYO AND NEONATAL CHICK.** Langslow DR *Br Poult Sci* 16: 329-33, Jul 75 (Eng)
- [INFLUENCE OF OVULATION INHIBITORS ON GLUCOSE METABOLISM]** Hausmann L, Kafarnik H *Dtsch Med Wochenschr* 100: 1703-9, 22 Aug 75 (Ger) [59]
- POTENTIATION OF THE ADRENERGIC BETA-RECEPTOR-MEDIATED INSULIN SECRETION IN PERTUSSIS-SENSITIZED RATS.** Sumi T, Ui M *Endocrinology* 97: 352-8, Aug 75 (Eng)
- PATTERN OF CSF GLUCOSE CONCENTRATION AFTER INDUCED HYPERGLYCAEMIA IN PATIENTS WITH ACUTE MENINGITIS AND EVIDENCE OF CEREBROSPINAL CANAL OBSTRUCTION.** Contoyiannis PA, Adamopoulos DA, Leventis AS *Eur Neurol* 13: 476-80, 1975 (Eng)
- GLUCAGON AND INSULIN RELEASE FROM THE ALLOGRAFTED CANINE PANCREAS.** Brynger H, Claes G, Lernmark A *Eur Surg Res* 7: 170-80, 1975 (Eng)
- [THE ROLE OF THE ADRENORECEPTORS IN SEVERAL ORGANS IN REGULATING CARBOHYDRATE AND LIPID METABOLISM]** Henes SH, Poltorak VV *Fiziol Zh* 20: 831-40, Nov-Dec 74 (Ukr) [126]
- [STUDIES ON THE MECHANISM OF THE DIABETOGENIC ACTIVITY OF STREPTOZOTOCIN AND ON THE ABILITY OF COMPOUNDS TO BLOCK THE DIABETOGENIC ACTIVITY OF STREPTOZOTOCIN (AUTHORS TRANSL)]** Doi K *Folia Endocrinol Jpn* 51: 129-47, 20 Mar 75 (Jpn)
- [COMPARISON OF BLOOD GLUCOSE AND INSULIN CONCENTRATIONS IN MAN AFTER INTRAVENOUS INJECTION OF 1.0, 0.1 AND 0.01 MG OF GLUCAGON (AUTHORS TRANSL)]** Okuno G *Folia Endocrinol Jpn* 51: 202-8, 20 Apr 75 (Jpn)
- EFFECT OF GLUCOSE ON THE GROWTH HORMONE RESPONSE TO L-DOPA IN NORMAL AND DIABETIC SUBJECTS.** Ajlouni K, Martinson DR, Hagen TC *Diabetes* 24: 633-6, Jul 75 (Eng)
- PLASMA IMMUNOREACTIVE INSULIN (IRI) AND IMMUNOREACTIVE GLUCAGON (IRG) AFTER EVISCERATION WITH AND WITHOUT A FUNCTIONAL LIVER.** Penhos JC, Ezequiel M, Lepp A, Ramey ER *Diabetes* 24: 637-40, Jul 75 (Eng)
- SUBSTANTIAL DIFFERENCES IN THE DIAGNOSTIC CRITERIA USED BY DIABETES EXPERTS.** West KM *Diabetes* 24: 641-4, Jul 75 (Eng)
- OBSERVATIONS ON SODIUM RETENTION RELATED TO INSULIN TREATMENT OF EXPERIMENTAL DIABETES.** Blumenthal SA *Diabetes* 24: 645-9, Jul 75 (Eng)
- PLASMA LIPID LEVELS IN DIABETIC CHILDREN. EFFECT OF DIET RESTRICTED IN CHOLESTEROL AND SATURATED FATS.** Kaufmann RL, Assal JPh, Soeldner JS, Wilmshurst EG, Lemaire JR, Gleason RE, White P *Diabetes* 24: 672-9, Jul 75 (Eng)
- INSULIN RECEPTORS IN THE HEART MUSCLE. DEMONSTRATION OF SPECIFIC BINDING SITES AND IMPAIRMENT OF INSULIN BINDING IN THE PLASMA MEMBRANE OF THE OBESE HYPERGLYCEMIC MOUSE.** Forge ME, Freychet P *Diabetes* 24: 715-23, Aug 75 (Eng)
- RENAL SUBSTRATE EXCHANGE IN HUMAN DIABETES MELLITUS.** Wahren J, Felig P *Diabetes* 24: 730-4, Aug 75 (Eng)
- ARGININE-STIMULATED ACUTE PHASE OF INSULIN AND GLUCAGON SECRETION. I. IN NORMAL MAN.** Palmer JP, Walter RM, Ensinck JW *Diabetes* 24: 735-40, Aug 75 (Eng)
- LACTIC ACIDOSIS ASSOCIATED WITH PHENFORMIN THERAPY. EVIDENCE THAT INHIBITED LACTATE OXIDATION IS THE CAUSATIVE FACTOR.** Searle GL, Siperstein MD *Diabetes* 24: 741-5, Aug 75 (Eng)
- SERUM PROINSULIN IN CHILDREN AND ADOLESCENTS WITH CHEMICAL DIABETES.** Rosenbloom AL, Starr JJ, Juhn D, Rubenstein AH *Diabetes* 24: 753-7, Aug 75 (Eng)
- EFFECT OF PHYSICAL EXERCISE ON SECRETION OF GROWTH HORMONE, GLUCAGON, AND CORTISOL IN OBESE AND DIABETIC CHILDREN.** Garlaschi C, di Natale B, del Guercio MJ, Caccamo A, Gargantini L, Chiumello G *Diabetes* 24: 758-61, Aug 75 (Eng)
- DIETARY-FIBER HYPOTHESIS OF THE ETIOLOGY OF DIABETES MELLITUS.** Trowell HC *Diabetes* 24: 762-5, Aug 75 (Eng) [39]
- ALCOHOLIC DETOSIS.** Fulop M, Hoberman HD *Diabetes* 24: 785-90, Sep 75 (Eng)
- PHENFORMIN-INDUCED LACTIC ACIDOSIS IN DIABETIC PATIENTS.** Assan R, Heuclin C, Girard JR, LeMaire F, Attali JR *Diabetes* 24: 791-800, Sep 75 (Eng)
- GLUCAGON RESPONSE TO ARGININE AFTER TREATMENT OF DIABETES MELLITUS.** Ohneda A, Ishii S, Horigome K, Yamagata S *Diabetes* 24: 811-9, Sep 75 (Eng)
- AGE-ADJUSTED ANALYSIS OF INSULIN RESPONSES DURING NORMAL AND ABNORMAL GLUCOSE TOLERANCE TESTS IN CHILDREN AND ADOLESCENTS.** Rosenbloom AL, Wheeler L, Bianchi R, Chin FT, Tiwary CM, Grgic A *Diabetes* 24: 820-8, Sep 75 (Eng)
- CARBOHYDRATE TOLERANCE IN AUTOIMMUNE THYROIDITIS.** Finucane JF *Diabetes* 24: 829-32, Sep 75 (Eng)
- PLASMA RENIN ACTIVITY IN JUVENILE DIABETES MELLITUS AND EFFECT OF DIAZOXIDE.** Gossain VV, Werk EE, Sholiton LJ, Srivastava L, Knowles HC Jr *Diabetes* 24: 833-5, Sep 75 (Eng)
- STUDIES ON GROWTH HORMONE SECRETION. VII. EFFECTS OF SOMATOSTATIN ON PLASMA GH, INSULIN, AND GLUCAGON IN SHEEP.** Bryce D, Yeh M, Funderburk C, Todd H, Hertelendy F *Diabetes* 24: 842-50, Sep 75 (Eng)
- IMMUNOREACTIVE GLUCAGON RESPONSES TO INTRAVENOUS TOLBUTAMIDE IN CHRONIC PANCREATITIS.** Kalk WJ, Vink AI, Paul M, Leller P, Jackson WP *Diabetes* 24: 851-5, Sep 75 (Eng)
- [GLUCOSE IN PARENTERAL FEEDING]** Heuckenkamp PU, Zollner N *Infusionstherapie* 1: 565-8, Oct 74 (Ger)
- SYMPOSIUM I: HORMONE-FUEL INTERACTIONS IN NORMAL AND DIABETIC MAN. THE LIVER AS SITE OF INSULIN AND GLUCAGON ACTION IN NORMAL, DIABETIC AND OBESE HUMANS.** Felig P, Wahren J *Jr J Med Sci* 11: 528-39, Jun 75 (Eng) [55]
- GLUCOSE AND FREE FATTY ACID UTILIZATION IN EXERCISE. STUDIES IN NORMAL AND DIABETIC MAN.** Wahren J, Hagenfeldt L, Felig P *Jr J Med Sci* 11: 551-9, Jun 75 (Eng)
- GASTRIC INHIBITORY POLYPEPTIDE (GIP) STIMULATED BY FAT INGESTION IN MAN.** Falko JM, Crockett SE, Cataland S, Mazzaferri EL *J Clin Endocrinol Metab* 41: 260-5, Aug 75 (Eng)
- ALTERED HYPOTHALAMIC-PITUITARY-ADRENAL RESPONSIVENESS TO DEXAMETHASONE-INSULIN TOLERANCE TEST IN ACTIVE ACROMEGALY.** Hofeldt FD, Levin SR, Von Werder K, Becker N, Schneider V, Hane S, Seymour R, Adams JE, Forsham PH *J Clin Endocrinol Metab* 41: 399-401, Aug 75 (Eng)
- SEX STEROID INFLUENCE ON TRIGLYCERIDE METABOLISM.** Kim HJ, Kalkhoff RK *J Clin Invest* 56: 888-96, Oct 75 (Eng)
- EFFECT OF MEAL-FEEDING ON THE DAILY VARIATIONS OF INSULIN, GLUCOSE, AND NADP-LINKED DEHYDROGENASES IN RATS.** Kaul L, Berdarian CD *J Nutr* 105: 1132-40, Sep 75 (Eng)
- EFFECTS OF CARBOHYDRATE-FREE DIETS ON THE INSULIN-CARBOHYDRATE RELATIONSHIPS IN RATS.** Carmel N, Konijn AM, Kaufman NA, Guggenheim K *J Nutr* 105: 1141-9, Sep 75 (Eng)
- METHIONINE TOXICITY IN THE CHICK: NUTRITIONAL AND METABOLIC IMPLICATIONS.** Katz RS, Baker DH *J Nutr* 105: 1168-75, Sep 75 (Eng)
- EFFECT OF PANCREATECTOMY OR ADRENALECTOMY ON THE RESPONSES OF RATS TO MEAL-FEEDING.** Kaul L, Berdarian CD *J Nutr* 105: 1176-85, Sep 75 (Eng)
- METABOLIC PROBLEMS IN DIABETIC PATIENTS UNDERGOING RENAL TRANSPLANTATION.** Palumbo PJ, Woods JE, Johnson WJ, Service FJ *Kidney Int [Suppl]* 58-62, Oct 74 (Eng)
- GLUCOSE INTOLERANCE IN THE HEMODIALYZED PATIENT: A BRIEF OVERVIEW.** Westervelt FB Jr *Kidney Int [Suppl]* 70-2, Oct 74 (Eng) [19]
- [ALTERATIONS IN PLASMA INSULIN AND BLOOD GLUCOSE DURING ANESTHESIA AND SURGERY]** Goshewa-Antonova Ts, Turkolev N *Khirurgiia (Sofia)* 27: 487-92, 1974 (Bul)
- [TWENTY YEARS OF ORAL DIABETIC THERAPY (AUTHORS TRANSL)]** Mehnert H, Dietze G, Haslbeck *Munch Med Wochenschr* 117: 1221-8, 18 Jul 75 (Ger)
- THE EFFECT OF ORAL ALANINE ON BLOOD GLUCOSE AND GLUCAGON IN THE HUMAN NEWBORN INFANT.** Fiser RH, Williams PR, Fisher DA, DeLameter PV, Sperling MA, Oh W *Pediatrics* 56: 78-81, Jul 75 (Eng)

Diabetes Literature—Hierarchical Index

1.E BLOOD SUGAR, URINE SUGAR AND RELATED TOPICS

PHYSIOLOGICAL EFFECTS OF HYPOXIA AND TRYPTAN BLUE IN 17-DAY CHICK EMBRYOS. Hoffman DJ *Teratology* 12: 57-60, Aug 75 (Eng)

[GLUCOSE TOLERANCE AND THYROID FUNCTION] Voss C, Lorenz C, Ratzmann L, Hartmann N *Acta Biol Med Ger* 33: 515-20, 1974 (Ger)

CHANGES IN CARBOHYDRATE TOLERANCE DURING LONG-TERM ORAL CONTRACEPTION. Posner NA, Silverstone FA, Tobin EH, Breuer J *Am J Obstet Gynecol* 123: 119-27, 15 Sep 75 (Eng)

HISTOPATHOLOGY OF THE ENDOCRINE PANCREAS OF A FRESH-WATER FISH, CLARIAS BATRACHUS (L.) IX: EFFECT OF THE NEW ANTIDIABETIC DRUG, GLIBENCLAMIDE (HB 419). Bhatt SD *Anat Anz* 137: 138-46, 1975 (Eng)

LONG TERM STUDIES OF PANCREAS TRANSPLANTATION IN EXPERIMENTAL DIABETES MELLITUS. Orloff MJ, Lee S, Charters AC 3d, Grambort DE, Storck LG, Knox D *Ann Surg* 182: 198-206, Sep 75 (Eng)

THE INFLUENCE OF SEROTONIN ON INSULIN-STIMULATED GASTRIC SECRETION, BLOOD GLUCOSE AND SERUM ELECTROLYTE LEVELS IN THE UNANESTHETIZED RAT. Hano J, Bugajski J, Daneš L, Wantuch C *Arch Int Pharmacodyn Ther* 216: 28-39, Jul 75 (Eng)

EXTRACTION OF D-BETA-HYDROXYBUTYRATE BY BRAIN IN DIABETIC RATS. Openshaw H, Diamond I *Arch Neurol* 32: 640-1, Sep 75 (Eng)

[INFLUENCE OF INDOLE-3-ALKANECARBOXYLIC ACIDS ON GLUCOSE UTILIZATION IN RATS] Losert W, Kraaz W *Arzneim Forsch* 25: 880-7, Jun 75 (Ger)

ACUTE COLD EXPOSURE AND THE METABOLISM OF BLOOD GLUCOSE, LACTATE AND PYRUVATE, AND PLASMA AMINO ACIDS IN THE HIND LEG OF THE FED AND FASTED YOUNG OX. Bell AW, Gardner JW, Manson W, Thompson GE *Br J Nutr* 33: 207-17, Mar 75 (Eng)

MODIFICATIONS OF PLASMA POST-HEPARIN LIPOLYTIC ACTIVITY AND TISSUE LIPOPROTEIN LIPASE ACTIVITY INDUCED IN THE RAT BY ACUTE ADMINISTRATION OF ETHANOL OR PROPAN-2-OL. Giudicelli Y, Nordmann R, Nordmann J *Clin Sci Mol Med* 48: 153-6, Feb 75 (Eng)

[CLINICAL STUDY OF A NEW SYNTHETIC STEROID IN THE TREATMENT OF BRONCHIAL ASTHMA] Pacheco CR, Valdez-Ochoa S, Naranjo F, Alvarez H, Aguilar M, Saavedra M *Gac Med Mex* 104: 313-9, Oct 72 (Spa)

THE EFFECT OF MUSCULAR EXERCISE ON FREE FATTY ACIDS, ACETOACETATE AND 3-HYDROXYBUTYRATE BLOOD LEVELS. Boninsegna A, Federspil G, De Palo C *Horm Metab Res* 6: 488-91, Nov 74 (Eng)

[ROLE OF HOMEOSTASIS IN ANIMAL RADIOSENSITIVITY] Grayskaia BM, Nechaev IA, Zolotareva NN *Zh Obshch Biol* 36: 135-41, Jan-Feb 1975 (Rus)

SYNTHESIS OF SERUM ALBUMIN IN ISOLATED RAT LIVER PERFUSED BY A SYNTHETIC MEDIUM WITH FLUOROCARBON FC-80 EMULSION AS OXYGEN CARRIER. Novakova V, Birke G, Plantin LO *Acta Physiol Scand* 92: 289-302, Nov 74 (Eng)

INCREASED RATE OF ALCOHOL REMOVAL FROM BLOOD WITH ORAL FRUCTOSE AND

SUCROSE. Soterakis J, Iber FL *Am J Clin Nutr* 28: 254-7, Mar 75 (Eng)

1.E.1.4 BLOOD SUGAR, PHARMACODYNAMICS

1.E.2 GLUCOSE TOLERANCE TEST

CARBOHYDRATE METABOLISM IN PREGNANCY. PART I. DIURNAL PLASMA GLUCOSE PROFILE IN NORMAL AND DIABETIC WOMEN. Gillmer MD, Beard RW, Brooke FM, Oakley NW *Br Med J* 3: 399-402, 16 Aug 75 (Eng)

CARBOHYDRATE METABOLISM IN PREGNANCY. PART II. RELATION BETWEEN MATERNAL GLUCOSE TOLERANCE AND GLUCOSE METABOLISM IN THE NEWBORN. Anonymous *Br Med J* 3: 402-4, 16 Aug 75 (Eng)

[POINT-SCORING SYSTEM FACILITATING EVALUATION OF THE ORAL GLUCOSE TOLERANCE TEST] Pav J, Pelant J *Cas Lek Cesk* 114: 731-4, 13 Jun 75 (Cze)

[INFLUENCE OF OVULATION INHIBITORS ON GLUCOSE METABOLISM] Hausmann L, Kafarnik H *Dtsch Med Wochenschr* 100: 1703-9, 22 Aug 75 (Ger)

[INTERFERING FACTORS AND SOURCES OF ERROR IN THE FUNCTIONAL DIAGNOSIS OF DIABETES MELLITUS] Kuhnau J *Jr Dtsch Med Wochenschr* 100: 1851-3, 12 Sep 75 (Ger)

SUBSTANTIAL DIFFERENCES IN THE DIAGNOSTIC CRITERIA USED BY DIABETES EXPERTS. West KM *Diabetes* 24: 641-4, Jul 75 (Eng)

GLUCOSE INTOLERANCE IN THE CARCINOID SYNDROME. Feldman JM, Plonk JW, Bivens CH, Lebovitz HE *Diabetes* 24: 664-71, Jul 75 (Eng)

GLUCAGON RESPONSE TO ARGININE AFTER TREATMENT OF DIABETES MELLITUS. Ohneda A, Ishii S, Horigome K, Yamagata S *Diabetes* 24: 811-9, Sep 75 (Eng)

AGE-ADJUSTED ANALYSIS OF INSULIN RESPONSES DURING NORMAL AND ABNORMAL GLUCOSE TOLERANCE TESTS IN CHILDREN AND ADOLESCENTS. Rosenbloom AL, Wheeler L, Bianchi R, Chin FT, Tiway CM, Grgic A *Diabetes* 24: 820-8, Sep 75 (Eng)

CARBOHYDRATE TOLERANCE IN AUTOIMMUNE THYROIDITIS. Finucane JF *Diabetes* 24: 829-32, Sep 75 (Eng)

THE ENTERAL INSULIN-STIMULATION AFTER WHIPPLES OPERATION. Rehfeld JF, Stadil F, Baden H, Fischerman K *Diabetologia* 11: 207-10, Jun 75 (Eng)

GASTRIC OPERATIONS AND GLUCOSE HOMEOSTASIS. II. GLUCAGON AND SECRETIN. Breuer RI, Zuckerman L, Hauch TW, Green W, Ogara P, Lawrence AM, Foa PP, Matsuyama T *Gastroenterology* 69: 598-606, Sep 75 (Eng)

METABOLIC PROFILES IN PREGNANCY. Gillmer MD, Oakley NW, Brooke FM, Beard RW *Isr J Med Sci* 11: 601-8, Jun 75 (Eng)

SIGNIFICANCE OF THE ORAL GLUCOSE TOLERANCE TEST PERFORMED ON THE THIRD DAY AFTER DELIVERY FOR THE DIAGNOSIS OF DIABETES IN PREGNANCY. Salzberger M, Sharon A, Liban E *Isr J Med Sci* 11: 629-31, Jun 75 (Eng)

ACUTE-PHASE INSULIN SECRETION AND GLUCOSE TOLERANCE IN YOUNG AND AGED NORMAL MEN AND DIABETIC PATIENTS. Palmer JP, Ensinck JW *J Clin Endocrinol Metab* 41: 498-503, Sep 75 (Eng)

[CHANGES IN THE FATTY ACID COMPOSITION OF SERUM FREE FATTY ACID AFTER GLUCOSE LOAD (AUTHORS TRANSL.)] Kato K, Kikuchi S, Takeyama N, Komatsu T *Jpn J Clin Pathol* 22: 886-8, Dec 74 (Jpn)

GLUCOSE INTOLERANCE IN THE HEMODIALYZED PATIENT: A BRIEF OVERVIEW. Westervelt FB Jr *Kidney Int [Suppl]* 70-2, Oct 74 (Eng)

EFFECT OF WEIGHT REDUCTION ON INSULIN RESPONSIVENESS AND TRIGLYCERIDE LEVELS IN PATIENTS WITH ENDOGENOUS HYPERTRIGLYCERIDAEMIA. De Vries O, Sluiter WJ, Reitsma WD, Doorenbos H *Neth J Med* 17: 212-19, 1974 (Eng)

STIMULATION OF GROWTH HORMONE SECRETION BY LEVODOPA-PROPRANOLOL IN CHILDREN AND ADOLESCENTS. Anonymous *Pediatrics* 56: 262-6, Aug 75 (Eng)

[BLOOD GLUCOSE CURVE IN PATIENTS WITH INTRACTABLE CORONARY FAILURE] Sliedziński K, Kraszewska Z, Lada W *Pol Tyg Lek* 30: 1479-81, 8 Sep 75 (Pol)

[PRACTICAL POSTGRADUATE COURSE IN DIABETOLOGY (AUTHORS TRANSL.)] Berger W *Praxis* 64: 626-31, 20 May 75 (Ger)

[GLUCOSE TOLERANCE AND THYROID FUNCTION] Voss C, Lorenz C, Ratzmann L, Hartmann N *Acta Biol Med Ger* 33: 515-20, 1974 (Ger)

A NEW CONCEPT FOR THE EVALUATION OF THE BLOOD GLUCOSE AND INSULIN RESPONSES OF HEALTH SUBJECTS FOLLOWING AN ORAL GLUCOSE LOAD. Szabo O, Oppermann W, Victor C, Camerini-Davalos RA *Acta Diabetol Lat* 11: 265-76, Jul-Aug 74 (Eng)

BEHAVIOR OF PANCREATIC GLUCAGON, INSULIN, AND HIGH IN LIVER CIRRHOSIS, AFTER ARGININE AND I.V. GLUCOSE. Grcco AV, Ghirlanda G, Patrono C, Fedili G, Manna R *Acta Diabetol Lat* 11: 330-9, Jul-Aug 74 (Eng)

HYPOGLYCEMIA IN HYPOPHYSECTOMIZED CHILDREN. Hopwood NJ, Forsman PJ, Kenny FM, Drush AL *Am J Dis Child* 129: 918-26, Aug 75 (Eng)

CHANGES IN CARBOHYDRATE TOLERANCE DURING LONG-TERM ORAL CONTRACEPTION. Posner NA, Silverstone FA, Tobin EH, Breuer J *Am J Obstet Gynecol* 123: 119-27, 15 Sep 75 (Eng)

DECREASED CARBOHYDRATE TOLERANCE IN PREGNANT PATIENTS WITH AN EARLY MENARCHE. Loffer FD *Am J Obstet Gynecol* 123: 180-4, 15 Sep 75 (Eng)

[DIAGNOSIS OF ORGANIC HYPERINSULINISM] Kramer K, Sailer FX *Anaesthesiol Intensivmed* 10: 125-30, 1975 (Ger)

[INFLUENCE OF INDOLE-3-ALKANECARBOXYLIC ACIDS ON GLUCOSE UTILIZATION IN RATS] Losert W, Kraaz W *Arzneim Forsch* 25: 880-7, Jun 75 (Ger)

1.E.3 HYPERGLYCEMIA

CARBOHYDRATE METABOLISM IN PREGNANCY. PART I. DIURNAL PLASMA

Diabetes Literature—Hierarchical Index

1.E BLOOD SUGAR, URINE SUGAR AND RELATED TOPICS

GLUCOSE PROFILE IN NORMAL AND DIABETIC WOMEN. Gillmer MD, Beard RW, Brooke FM, Oakley NW *Br Med J* 3: 399-402, 16 Aug 75 (Eng)

[UTILIZATION OF FAT EMULSIONS IN THE PARENTERAL FEEDING OF MAN] Eckart J *Infusionstherapie* 1: 521-9, Oct 74 (Ger)

1.E.3.1 HYPERGLYCEMIA, BLOOD

EFFECT OF GLUCOSE ON THE GROWTH HORMONE RESPONSE TO L-DOPA IN NORMAL AND DIABETIC SUBJECTS. Ajlouni K, Martinson DR, Hagen TC *Diabetes* 24: 633-6, Jul 75 (Eng)

GASTRIC OPERATIONS AND GLUCOSE HOMEOSTASIS. II. GLUCAGON AND SECRETIN. Breuer RI, Zuckerman L, Hauch TW, Green W, Ogara P, Lawrence AM, Foa PP, Matsuyama T *Gastroenterology* 69: 598-606, Sep 75 (Eng)

BLOOD SUGAR IN INFANTILE GASTRO-ENTERITIS. Glyn-Jones R *S Afr Med J* 49: 1474-6, 23 Aug 75 (Eng)

1.E.3.2 HYPERGLYCEMIA, CHEMICALLY INDUCED

PATTERN OF CSF GLUCOSE CONCENTRATION AFTER INDUCED HYPERGLYCEMIA IN PATIENTS WITH ACUTE MENINGITIS AND EVIDENCE OF CEREBROSPINAL CANAL OBSTRUCTION. Contoyannis PA, Adamopoulos DA, Leventis AS *Eur Neurol* 13: 476-80, 1975 (Eng)

LETTER: GLYCEROL, CEREBRAL OEDEMA, AND DIABETES. Hurwitz BJ, Rottenberg DA *Lancet* 2: 369, 23 Aug 75 (Eng)

ERRORS IN INSULIN DOSES DUE TO THE DESIGN OF INSULIN SYRINGES. Shainfield FJ *Pediatrics* 56: 302-3, Aug 75 (Eng)

1.E.3.3 HYPERGLYCEMIA, COMPLICATIONS

METABOLIC PROBLEMS IN LONG-STANDING INSULIN-DEPENDENT DIABETIC PATIENTS. Cahill GF Jr *Kidney Int [Suppl]* 47-50, Oct 74 (Eng) [25]

BLOOD SUGAR IN INFANTILE GASTRO-ENTERITIS. Glyn-Jones R *S Afr Med J* 49: 1474-6, 23 Aug 75 (Eng)

DIABETES AND THE HEART. Scott RC *Am Heart J* 90: 283-9, Sep 75 (Eng) [83]

1.E.3.4 HYPERGLYCEMIA, DIAGNOSIS

1.E.3.5 HYPERGLYCEMIA, DRUG THERAPY

1.E.3.6 HYPERGLYCEMIA, ETIOLOGY

[THE PATHOGENESIS OF POSTOPERATIVE DISTURBANCES OF CARBOHYDRATE METABOLISM] Stremmel W *Infusionstherapie* 1: 294-304, Apr 74 (Ger)

[LIPIDS IN PARENTERAL FEEDING] Hartmann G *Infusionstherapie* 1: 516-8, Oct 74 (Ger)

[THE TECHNIC OF INFUSION TREATMENT AND PARENTERAL FEEDING IN NEWBORNS AND INFANTS] Dangel P *Infusionstherapie* 2: 34-43, Feb 75 (Ger)

HYPERINSULINEMIA, INSULIN RESISTANCE AND CATARACT FORMATION IN SAND RATS. Gutman A, Andreus A, Adler JH *Isr J Med Sci* 11: 714-22, Jul 75 (Eng)

NUTRITIONAL AND METABOLIC PROBLEMS IN THE DIALYZED PATIENT WITH DIABETES MELLITUS. Comty CM, Leonard A, Shapiro FL *Kidney Int [Suppl]* 51-7, Oct 74 (Eng)

INTERACTION OF ENDOGENOUS GROWTH HORMONE, CORTISOL, AND CATECHOLAMINES WITH BLOOD GLUCOSE IN CHILDREN WITH BRITTLE DIABETES MELLITUS. Bruck E, MacGillivray MH *Pediatr Res* 9: 535-41, Jun 75 (Eng)

1.E.3.7 HYPERGLYCEMIA, METABOLISM

RENAL SUBSTRATE EXCHANGE IN HUMAN DIABETES MELLITUS. Wahren J, Felig P *Diabetes* 24: 730-4, Aug 75 (Eng)

RECENT STUDIES ON INSULIN-RECEPTOR INTERACTIONS. Freychet P *Isr J Med Sci* 11: 679-86, Jul 75 (Eng)

GLUCOSE REGULATION BY ISOLATED NEAR TERM FETAL MONKEY LIVER. Ginsmann WH, Eisen HJ, Lynch A, Chez RA *Pediatr Res* 9: 600-4, Jul 75 (Eng)

[BLOOD GLUCOSE CURVE IN PATIENTS WITH INTRACTABLE CORONARY FAILURE] Slidziewski K, Kraszewska Z, Lada W *Pol Tyg Lek* 30: 1479-81, 8 Sep 75 (Pol)

HYPORESponsiveness TO GLUCOPRIVATION DURING POSTNATAL PERIOD IN THE RAT. Gil-Ad I, Udeschini G, Cocchi D, Muller EE *Am J Physiol* 229: 512-7, Aug 75 (Eng)

1.E.3.8 HYPERGLYCEMIA, PHYSIOPATHOLOGY

ARGININE-STIMULATED ACUTE PHASE OF INSULIN AND GLUCAGON SECRETION. I. IN NORMAL MAN. Palmer JP, Walter RM, Ensinck JW *Diabetes* 24: 735-40, Aug 75 (Eng)

1.E.3.9 HYPERGLYCEMIA, URINE

1.E.4 GLYCOSURIA

OBSERVATIONS ON SODIUM RETENTION RELATED TO INSULIN TREATMENT OF EXPERIMENTAL DIABETES. Blumenthal SA *Diabetes* 24: 645-9, Jul 75 (Eng)

PARENTERAL NUTRITION: PRINCIPLES, NUTRIENT REQUIREMENTS, AND TECHNIQUES. Meng HC *Geriatrics* 30: 97-102, 107, Sep 75 (Eng)

[CYSTITIS EMPHYSEMATOSA (AUTHORS TRANSL)] Sunaric D *Fortschr Geb Roentgenstr Nuklearmed* 122: 550-3, Jun 75 (Ger)

[LIPOATROPHIC DIABETES. REPORT OF A CASE (AUTHORS TRANSL)] Zollner N, Dorfler H, Wolfram G *Munch Med Wochenschr* 117: 1209-14, 18 Jul 75 (Ger)

[TWENTY YEARS OF ORAL DIABETIC THERAPY (AUTHORS TRANSL)] Mehnert H, Dietze G, Haslbeck *Munch Med Wochenschr* 117: 1221-8, 18 Jul 75 (Ger)

1.E.4.1 GLYCOSURIA, CHEMICALLY INDUCED

1.E.4.2 GLYCOSURIA, COMPLICATIONS

ALCOHOLIC DETOSIS. Fulop M, Hoberman HD *Diabetes* 24: 785-90, Sep 75 (Eng)

[BARTTERS SYNDROME AND TUBULAR FUNCTIONAL DISTURBANCES] Fricker H, Frey K, Vallotton MB, Gugler E *Helv Paediatr Acta* 30: 61-77, May 75 (Ger)

1.E.4.3 GLYCOSURIA, DIAGNOSIS

[RELATION BETWEEN GLUCOSE AND SODIUM ABSORPTION IN RENAL GLYCOSURIA (AUTHORS TRANSL)] Pav J, Sperl M *Cas Lek Cesk* 114: 939-41, 25 Jul 75 (Cze)

[ETHANOL ELIMINATION IN CHILDHOOD] Schippan R, Wagler S, Zschocke D *Kinderuertzl Prax* 43: 193-201, May 75 (Ger)

[LABORATORY METHODS AND DIAGNOSTIC PROCEDURES IN DIABETES MELLITUS] Haslbeck M *Med Welt* 26: 1560-6, 5 Sep 75 (Ger)

[PRACTICAL POSTGRADUATE COURSE IN DIABETOLOGY (AUTHORS TRANSL)] Berger W *Praxis* 64: 626-31, 20 May 75 (Ger)

1.E.4.4 GLYCOSURIA, DRUG THERAPY

1.E.4.5 GLYCOSURIA, ENZYMOLOGY

1.E.4.6 GLYCOSURIA, ETIOLOGY

METABOLIC PROBLEMS IN DIABETIC PATIENTS UNDERGOING RENAL TRANSPLANTATION. Palumbo PJ, Woods JE, Johnson WJ, Service FJ *Kidney Int [Suppl]* 58-62, Oct 74 (Eng)

INTERACTION OF ENDOGENOUS GROWTH HORMONE, CORTISOL, AND CATECHOLAMINES WITH BLOOD GLUCOSE IN CHILDREN WITH BRITTLE DIABETES MELLITUS. Bruck E, MacGillivray MH *Pediatr Res* 9: 535-41, Jun 75 (Eng)

[A CLINICAL STUDY OF A NEW SULFONYLUREA HYPOGLYCEMIC AGENT: GLIPIZIDE (GLIBENESE)(AUTHORS TRANSL)] Cochet B, Balant L, Rilliet B, Zahnd G *Praxis* 64: 562-8, 6 May 75 (Fre)

[PRACTICAL POSTGRADUATE COURSE IN DIABETOLOGY(AUTHORS TRANSL)] Berger W *Praxis* 64: 735-7, 10 Jun 75 (Ger)

ACUTE RENAL INSUFFICIENCY IN THE RABBIT BY GLYCEROL. Gras J, Tuset N, de Vega F, Cisar F, Navarro J, del Valle O *Rev Esp Fisiol* 31: 1-3, Mar 75 (Eng)

1.E.4.7 GLYCOSURIA, METABOLISM

1.E.4.8 GLYCOSURIA, OCCURRENCE

1.E.5 GLYCOSURIA, RENAL

[RELATION BETWEEN GLUCOSE AND SODIUM ABSORPTION IN RENAL GLYCOSURIA (AUTHORS TRANSL)] Pav J, Sperl M *Cas Lek Cesk* 114: 939-41, 25 Jul 75 (Cze)

1.E.6 HYPOGLYCEMIA

CARBOHYDRATE METABOLISM IN PREGNANCY. PART I. DIURNAL PLASMA GLUCOSE PROFILE IN NORMAL AND DIABETIC WOMEN. Gillmer MD, Beard RW, Brooke FM, Oakley NW *Br Med J* 3: 399-402, 16 Aug 75 (Eng)

1.E.6.1 HYPOGLYCEMIA, BLOOD

THE EFFECT OF HYPOGLYCEMIA ON HYPOTHALAMIC THYROTROPIN-RELEASING HORMONE (HRH) IN THE RAT. Leung Y, Guansing AR, Ajlouni K, Hagen TC, Rosenfeld PS, Barboriak JJ *Endocrinology* 97: 380-4, Aug 75 (Eng)

Diabetes Literature—Hierarchical Index

1.F DIABETES

[SIGNIFICANCE OF THE 2-DEOXY-D-GLUCOSE-TEST ON THE DIFFERENTIATION OF HYPOGLYCEMIA IN CHILDHOOD (AUTHORS TRANSL.) Kruse K, Bartels H *Klin Paediatr* 187: 308-13, Jul 75 (Ger)

BLOOD SUGAR IN INFANTILE GASTRO-ENTERITIS. Glyn-Jones R S *Afr Med J* 49: 1474-6, 23 Aug 75 (Eng)

1.E.6.2 HYPOGLYCEMIA, CHEMICALLY INDUCED

LETTER: GLIBENCLAMIDE-INDUCED HYPOGLYCAEMIA. Silience DO, Court JM *Br Med J* 3: 490-1, 23 Aug 75 (Eng)

MANAGEMENT OF JUVENILE DIABETES MELLITUS. Chaney C, Elders MJ *J Arkansas Med Soc* 72: 111-27, Aug 75 (Eng) [50]

METHIONINE TOXICITY IN THE CHICK: NUTRITIONAL AND METABOLIC IMPLICATIONS. Katz RS, Baker DH *J Nutr* 105: 1168-75, Sep 75 (Eng)

[ETHANOL ELIMINATION IN CHILDHOOD] Schippan R, Wagner S, Zschocke D *Kinderaerztl Prax* 43: 193-201, May 75 (Ger)

LETTER: PROPRANOLOL AND PREGNANCY. Fiddler GI *Lancet* 2: 722-3, 21 Sep 74 (Eng)

ERRORS IN INSULIN DOSES DUE TO THE DESIGN OF INSULIN SYRINGES. Shainfield FJ *Pediatrics* 56: 302-3, Aug 75 (Eng)

[ALCOHOL METABOLISM. CURRENT BIOCHEMICAL ASPECTS] Neuzil E, Bousquet F *Sem Hop Ther* 51 suppl: 29-42, Jan 75 (Fre)

1.E.6.3 HYPOGLYCEMIA, COMPLICATIONS

LETTER: GLIBENCLAMIDE-INDUCED HYPOGLYCAEMIA. Silience DO, Court JM *Br Med J* 3: 490-1, 23 Aug 75 (Eng)

MARKED HYPERTHERMIA AS A MANIFESTATION OF HYPOGLYCEMIA IN LONG-STANDING DIABETES MELLITUS. Chochinov R, Daughaday WH *Diabetes* 24: 859-60, Sep 75 (Eng)

INTERACTION OF ENDOGENOUS GROWTH HORMONE, CORTISOL, AND CATECHOLAMINES WITH BLOOD GLUCOSE IN CHILDREN WITH BRITTLE DIABETES MELLITUS. Bruck E, MacGillivray MH *Pediatr Res* 9: 535-41, Jun 75 (Eng)

[ENCEPHALOPATHY DUE TO PROTRACTED HYPOGLYCEMIA COMA DURING LOW-DOSE INSULIN THERAPY] Cecchini S, del Greco V *Riv Neurobiol* 18: 55-64, Jan-Mar 72 (Ita)

BLOOD SUGAR IN INFANTILE GASTRO-ENTERITIS. Glyn-Jones R S *Afr Med J* 49: 1474-6, 23 Aug 75 (Eng)

1.E.6.4 HYPOGLYCEMIA, DIAGNOSIS

AN UNUSUAL BETA-CELL ADENOMA. Dewilde J, Baillargeon J, Daloz P, Rasio E *Can Med Assoc J* 113: 413-6, 6 Sep 75 (Eng)

POSTPRANDIAL HYPOGLYCEMIA. FACT OR FICTION. Hofeldt FD, Adler RA, Herman RH *JAMA* 233: 1309, 22 Sep 75 (Eng)

[SIGNIFICANCE OF THE 2-DEOXY-D-GLUCOSE-TEST ON THE DIFFERENTIATION OF HYPOGLYCEMIA IN CHILDHOOD (AUTHORS TRANSL.) Kruse K, Bartels H *Klin Paediatr* 187: 308-13, Jul 75 (Ger)

HYPOGLYCEMIA: WHAT KIND OF PROBLEM IS IT? Meloni CR *Am Fam Physician* 12: 108-11, Oct 75 (Eng)

HYPOGLYCEMIA IN HYPOPHYSECTOMIZED CHILDREN. Hopwood NJ, Forsman PJ, Kenny FM, Drash AL *Am J Dis Child* 129: 918-26, Aug 75 (Eng)

[DIAGNOSIS OF ORGANIC HYPERINSULINISM] Kramer K, Sailer FX *Anaesthesi Intensive Prax* 10: 125-30, 1975 (Ger)

1.E.6.5 HYPOGLYCEMIA, DRUG THERAPY

LETTER: GLIBENCLAMIDE-INDUCED HYPOGLYCAEMIA. Silience DO, Court JM *Br Med J* 3: 490-1, 23 Aug 75 (Eng)

1.E.6.6 HYPOGLYCEMIA, ETIOLOGY

AN UNUSUAL BETA-CELL ADENOMA. Dewilde J, Baillargeon J, Daloz P, Rasio E *Can Med Assoc J* 113: 413-6, 6 Sep 75 (Eng)

[DISTURBANCE OF GASTRIC EMPTYING IN DIABETES MELLITUS (AUTHORS TRANSL.)] Forgas S *Fortschr Geb Roentgenstr Nuklearmed* 122: 541-7, Jun 75 (Ger)

[LIPIDS IN PARENTERAL FEEDING] Hartmann G *Infusionstherapie* 1: 516-8, Oct 74 (Ger)

NUTRITIONAL AND METABOLIC PROBLEMS IN THE DIALYZED PATIENT WITH DIABETES MELLITUS. Comty CM, Leonard A, Shapiro FL *Kidney Int [Suppl]* 51-7, Oct 74 (Eng)

[SIGNIFICANCE OF THE 2-DEOXY-D-GLUCOSE-TEST ON THE DIFFERENTIATION OF HYPOGLYCEMIA IN CHILDHOOD (AUTHORS TRANSL.) Kruse K, Bartels H *Klin Paediatr* 187: 308-13, Jul 75 (Ger)

MECHANISM OF HYPOGLYCAEMIA IN A PATIENT WITH MESENCHYMAL TUMOUR. Meinders AE, Smit EM, Cejka V, Braat MC *Neth J Med* 17: 227-33, 1974 (Eng)

PHYSIOLOGICAL EFFECTS OF HYPOXIA AND TRYPTAN BLUE IN 17-DAY CHICK EMBRYOS. Hoffman DJ *Teratology* 12: 57-60, Aug 75 (Eng)

HYPOGLYCEMIA: WHAT KIND OF PROBLEM IS IT? Meloni CR *Am Fam Physician* 12: 108-11, Oct 75 (Eng)

HYPOGLYCEMIA IN HYPOPHYSECTOMIZED CHILDREN. Hopwood NJ, Forsman PJ, Kenny FM, Drash AL *Am J Dis Child* 129: 918-26, Aug 75 (Eng)

[NEONATAL LACTIC ACIDOSIS AND HYPOGLYCEMIA DUE TO A CONGENITAL HEPATIC FRUCTOSE-1,6-DIPHOSPHATASE DEFICIENCY] Retbi JM, Gabilan JC, Marsac C *Arch Fr Paediatr* 32: 367-80, Apr 75 (Fre)

1.E.6.7 HYPOGLYCEMIA, METABOLISM

[DISCUSSION OF MESSRS P. LEFEBVRE AND A. LUYCKX LECTURE: GLUCAGON AND ENERGETIC SUBSTRATES PUBLISHED IN THE BULLETIN, VOL. 128, FASC. 2, 1973, PP. 163-185] Lecomte J, Lefebvre P *Bull Acad R Med Belg* 129: 143-5, 1974 (Fre)

CIRCULATING NSILA-S IN MAN: PRELIMINARY STUDIES OF STIMULI IN VIVO AND OF BINDING TO PLASMA COMPONENTS. Megyesi K, Kahn CR, Roth J, Gorden P *J Clin Endocrinol Metab* 41: 475-84, Sep 75 (Eng)

ORIGINAL ARTICLES. Assies J, Schellekens AP, Touber JL *Neth J Med* 17: 163-73, 1974 (Eng)

MECHANISM OF HYPOGLYCAEMIA IN A PATIENT WITH MESENCHYMAL TUMOUR. Meinders AE, Smit EM, Cejka V, Braat MC *Neth J Med* 17: 227-33, 1974 (Eng)

GLUCOSE REGULATION BY ISOLATED NEAR TERM FETAL MONKEY LIVER. Glinsmann WH, Eisen HJ, Lynch A, Chez RA *Pediatr Res* 9: 600-4, Jul 75 (Eng)

1.E.6.8 HYPOGLYCEMIA, PHYSIOPATHOLOGY

[GLUCAGON: PHYSIOLOGY-PATHOLOGY] Benoit G *Lille Med* 20: 230-8, Mar 75 (Fre)

1.E.6.9 HYPOGLYCEMIA, THERAPY

EARLY GROWTH AND DEVELOPMENT IN LOW-BIRTHWEIGHT INFANTS FOLLOWING TREATMENT IN AN INTENSIVE CARE NURSERY. Fitzhardinge PM *Pediatrics* 56: 162-72, Aug 75 (Eng)

HYPOGLYCEMIA: WHAT KIND OF PROBLEM IS IT? Meloni CR *Am Fam Physician* 12: 108-11, Oct 75 (Eng)

1.F DIABETES

1.F.1 ALLOXAN DIABETES (SEE SEC. 1.F.10.2)

1.F.2 DIABETES MELLITUS

[AN ACUTE DIABETIC SYNDROME INDUCED IN RATS BY ANTI-INSULIN SERUM AS AN EXPERIMENTAL MODEL FOR THE STUDY OF SEVERAL ANTIDIABETIC AGENTS] Andreev D, Strashimirov D, Ditsov S, Dashev G *Eksp Med Morfol* 13: 95-101, 1974 (Bul)

GENERAL DENTISTRY AND ORAL MEDICINE IN THE HOSPITAL. Greenberg MS *Dent Clin North Am* 19: 643-56, Oct 75 (Eng)

I. ARTHUR MIRSKY. 1907-1974. Danowski TS, Hofmann K *Diabetes* 24: 776-8, Aug 75 (Eng)

CHANGES ASSOCIATED WITH QUITTING CIGARETTE SMOKING: THE FRAMINGHAM STUDY. Gordon T, Kannel WB, Dawber TR, McGee D *Am Heart J* 90: 322-8, Sep 75 (Eng)

[PERIODONTAL DISEASES IN DIABETES MELLITUS] Luxan JF *Ann Exp Odontostomatol* 34: 273-90, Jul-Aug 75 (Spa)

1.F.2.1 DIABETES MELLITUS, JUVENILE

PSYCHOLOGICAL PROBLEMS IN LONG-STANDING INSULIN-DEPENDENT DIABETIC PATIENTS. Ack M *Kidney Int [Suppl]* 141-3, Oct 74 (Eng)

NATIONAL STATISTICS. Adelstein AM *Postgrad Med J* 51 SUPPL 2: SUPPL 15057-67, 1975 (Eng)

[DIABETES MELLITUS IN CHILDREN AND ADOLESCENTS (THERAPY, PREVENTION)] Vasiukova EA, Kasatkina EP *Sov Med* 52-6, Jun 75 (Rus)

DIABETES IN ADOLESCENCE. Guthrie DW, Guthrie RA *Am J Nurs* 75: 1740-4, Oct 75 (Eng)

1.F.3 DIABETES, BIOCHEMISTRY RELATED

1.F.3.1 DIABETES, METABOLISM

THE USE OF SOLID PROBE CHEMICAL IONIZATION MASS SPECTROMETRY AND GAS CHROMATOGRAPHY-CHEMICAL

Diabetes Literature—Hierarchical Index

1.F DIABETES

- IONIZATION MASS SPECTROMETRY IN QUANTITATION OF DRUGS IN BIOLOGICAL FLUIDS. DETERMINATION OF TOLBUTAMIDE AND ITS METABOLITES IN HUMAN PLASMA.** Matin SB, Knight JB *Biomed Mass Spectrom* 1: 323-8, Oct 74 (Eng)
- [STUDIES ON THE MECHANISM OF THE DIABETOGENIC ACTIVITY OF STREPTOZOTOCIN AND ON THE ABILITY OF COMPOUNDS TO BLOCK THE DIABETOGENIC ACTIVITY OF STREPTOZOTOCIN (AUTHORS TRANSL.)]** Doi K *Folia Endocrinol Jpn* 51: 129-47, 20 Mar 75 (Jpn)
- OBSERVATIONS ON SODIUM RETENTION RELATED TO INSULIN TREATMENT OF EXPERIMENTAL DIABETES.** Blumenthal SA *Diabetes* 24: 645-9, Jul 75 (Eng)
- GLUCOSE INTOLERANCE IN THE CARCINOID SYNDROME.** Feldman JM, Plonk JW, Bivens CH, Lebovitz HE *Diabetes* 24: 664-71, Jul 75 (Eng)
- PLASMA LIPID LEVELS IN DIABETIC CHILDREN. EFFECT OF DIET RESTRICTED IN CHOLESTEROL AND SATURATED FATS.** Kaufmann RL, Assal JPh, Soeldner JS, Wilmsmuth EG, Lemaire JR, Gleason RE, White P *Diabetes* 24: 672-9, Jul 75 (Eng)
- RENAL SUBSTRATE EXCHANGE IN HUMAN DIABETES MELLITUS.** Wahren J, Felig P *Diabetes* 24: 730-4, Aug 75 (Eng)
- LACTIC ACIDOSIS ASSOCIATED WITH PHENFORMIN THERAPY. EVIDENCE THAT INHIBITED LACTATE OXIDATION IS THE CAUSATIVE FACTOR.** Searle GL, Siperstein MD *Diabetes* 24: 741-5, Aug 75 (Eng)
- GLUCAGON RESPONSE TO ARGININE AFTER TREATMENT OF DIABETES MELLITUS.** Ohneda A, Ishii S, Horigome K, Yamagata S *Diabetes* 24: 811-9, Sep 75 (Eng)
- AGE-ADJUSTED ANALYSIS OF INSULIN RESPONSES DURING NORMAL AND ABNORMAL GLUCOSE TOLERANCE TESTS IN CHILDREN AND ADOLESCENTS.** Rosenbloom AL, Wheeler L, Bianchi R, Chin FT, Tiwary CM, Grgic A *Diabetes* 24: 820-8, Sep 75 (Eng)
- CARBOHYDRATE TOLERANCE IN AUTOIMMUNE THYROIDITIS.** Finucane JF *Diabetes* 24: 829-32, Sep 75 (Eng)
- CEREBROSPINAL FLUID AND BLOOD SUGAR RATIO IN HEALTH AND DISEASE: DIAGNOSTIC AND PROGNOSTIC SIGNIFICANCE IN INTRACRANIAL INFECTIONS.** Reddi YR, Rao VS, Parthasaradhi J, Laxman S *Indian Pediatr* 12: 401-5, May 75 (Eng)
- [THE SIGNIFICANCE OF CARBOHYDRATES IN PARENTERAL FEEDING]** Forster H, Haslbeck M, Mehnert H *Infusionstherapie* 1: 199-213, Feb 74 (Ger)
- [SIGNIFICANCE OF LIPID METABOLISM IN SURGICAL DISEASES]** Stremmel W *Infusionstherapie* 1: 238-43, Feb 74 (Ger)
- [PARENTERAL ADMINISTRATION OF SUGAR SUBSTITUTES WITH SPECIAL REFERENCE TO DIABETES MELLITUS]** Haslbeck M *Infusionstherapie* 1: 569-76, Oct 74 (Ger)
- SYMPOSIUM I: HORMONE-FUEL INTERACTIONS IN NORMAL AND DIABETIC MAN. THE LIVER AS SITE OF INSULIN AND GLUCAGON ACTION IN NORMAL, DIABETIC AND OBESE HUMANS.** Felig P, Wahren J *Isr J Med Sci* 11: 528-39, Jun 75 (Eng)
- GLUCOSE AND FREE FATTY ACID UTILIZATION IN EXERCISE. STUDIES IN NORMAL AND DIABETIC MAN.** Wahren J, Hagenfeldt L, Felig P *Isr J Med Sci* 11: 551-9, Jun 75 (Eng)
- KETONE BODY METABOLISM IN NORMAL, OBESE AND DIABETIC SUBJECTS.** Owen OE, Reichard GA Jr *Isr J Med Sci* 11: 560-70, Jun 75 (Eng)
- MATERNAL AND FETAL RESPONSE TO RAPID GLUCOSE LOADING IN PREGNANCY AND LABOR.** Zakut H, Mashlach S, Blankstein J, Serr DM *Isr J Med Sci* 11: 632-7, Jun 75 (Eng)
- DEFECTIVE INSULIN SECRETION IN THE SPINY MOUSE (ACOMYS CAHIRINUS). POSSIBLE VALUE IN THE STUDY OF THE PATHOPHYSIOLOGY OF DIABETES.** Rabinovitch A, Gutzeit A, Grill V, Kikuchi M, Renold AE, Cerasi E *Isr J Med Sci* 11: 730-7, Jul 75 (Eng)
- ACUTE-PHASE INSULIN SECRETION AND GLUCOSE TOLERANCE IN YOUNG AND AGED NORMAL MEN AND DIABETIC PATIENTS.** Palmer JP, Ensink JW *J Clin Endocrinol Metab* 41: 498-503, Sep 75 (Eng)
- SALIVARY ALTERATIONS IN DIABETES MELLITUS.** Marder MZ, Abelson DC, Mandel ID *J Periodontol* 46: 567-9, Sep 75 (Eng)
- FEEDING BEHAVIOR IN MONKEYS WITH SPONTANEOUS DIABETES MELLITUS.** Hamilton CL, Lewis D *J Med Primatol* 4: 145-53, 1975 (Eng)
- DIABETES AND THE SURVIVAL AND RECOVERY OF THE ANOXIC MYOCARDIUM.** Hearse DJ, Stewart DA, Chain EB *J Mol Cell Cardiol* 7: 397-415, Jun 75 (Eng)
- METABOLIC PROBLEMS IN LONG-STANDING INSULIN-DEPENDENT DIABETIC PATIENTS.** Cahill GF Jr *Kidney Int [Suppl]* 47-50, Oct 74 (Eng) [25]
- END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: METABOLIC COMPLICATIONS.** Anonymous *Kidney Int [Suppl]* 73-6, Oct 74 (Eng)
- [TWENTY YEARS OF ORAL DIABETIC THERAPY (AUTHORS TRANSL.)]** Mehnert H, Dietze G, Haslbeck M *Wochenschr* 117: 1221-8, 18 Jul 75 (Ger)
- [INDICATORS OF THE CONDITION OF CONNECTIVE TISSUE AND THE ACTIVITY OF THE PENTOSE CYCLE OF GLUCOSE METABOLISM IN PATIENTS WITH DIABETES MELLITUS]** Dozoretz S, Okorokov AN, Bobkov V, Rabkin M *Sov Med* 57-60, Jun 75 (Rus)
- [THE UPTAKE OF OXYGEN AND GLUCOSE BY THE GINGIVA IN DIABETES MELLITUS WITH VARIOUS FORMS OF PERIODONTAL DISEASES]** Fett KD, Hommel H, Fischer U *Stomatol DDR* 25: 267-72, Apr 75 (Ger)
- CONTROL OF DIABETIC PATIENTS: COMPARISON OF INFORMATION OBTAINED FROM FASTING BLOOD SUGAR LEVEL AND THE GLYCEMIC CYCLE.** Mejean L, Drouin P, Martin JM, Debry G *Acta Diabetol Lat* 11: 340-6, Jul-Aug 74 (Eng)
- MISUNDERSTANDING OR ERROR THE UGDP REPORT AFTER FOUR YEARS.** Marigo S, Adezati L, Burnetti P, Pozza G, Robba L, Urbinati G *Acta Diabetol Lat* 11: 357-422, Sep - Oct 74 (Eng) [83]
- EXTRACTION OF D-BETA-HYDROXYBUTYRATE BY BRAIN IN DIABETIC RATS.** Openshaw H, Diamond I *Arch Neurol* 32: 640-1, Sep 75 (Eng)
- 1.F.3.2 DIABETES, ENZYMOLOGY**
- PLASMA RENIN ACTIVITY IN JUVENILE DIABETES MELLITUS AND EFFECT OF DIAZOXIDE.** Gossain VV, Werk EE, Sholiton LJ, Srivastava L, Knowles HC Jr *Diabetes* 24: 833-5, Sep 75 (Eng)
- 1.F.3.3 DIABETES, BLOOD**
- DETERMINATION OF PHENFORMIN IN BIOLOGICAL FLUIDS USING CHEMICAL IONIZATION MASS SPECTROMETRY.** Matin SB, Karam JH, Forsham PH, Knight JB *Biomed Mass Spectrom* 1: 320-2, Oct 74 (Eng)
- CARBOHYDRATE METABOLISM IN PREGNANCY. PART I. DIURNAL PLASMA GLUCOSE PROFILE IN NORMAL AND DIABETIC WOMEN.** Gillmer MD, Beard RW, Brooke FM, Oakley NW *Br Med J* 3: 399-402, 16 Aug 75 (Eng)
- [GENETIC CHARACTERISTICS AND PECULIARITIES OF CARBOHYDRATE METABOLISM IN HEALTHY SUBJECTS (AUTHORS TRANSL.)]** Ksenofontov JP *Bratisl Lek Listy* 64: 30-4, Jul 75 (Slo)
- [EFFECT OF INSULIN AND DIABETES ON NON-ESTERIFIED FATTY ACID PLASMA LEVELS IN FETUS AND NEWBORN RAT]** Picon L, Irondele MM, Prudont G *C R Acad Sci [D] (Paris)* 279: 2067-9, 23 Dec 74 (Fre)
- ERYTHROCYTE 2,3-DIPHOSPHOGLYCERATE AS RELATED TO DIABETES AND OBESITY.** Kalofoutis A, Julien G, Koutselis A, Miras C *Clin Chem* 21: 1414-5, Sep 75 (Eng)
- [COMPARISON OF INSULIN REACTIONS IN VARIOUS DISEASES TO GLUCOSE, ARGinine, AND GLUCAGON]** Tamamoto A, Inoue Y, Mori K, Goto K, Kurahachi H *Clin Endocrinol (Tokyo)* 23: 373-9, Apr 75 (Jpn)
- [HYPERLIPIDEMIAS IN DIABETICS]** Mirouze J, Carty ME *Coeur Med Interne* 13: 613-26, Oct-Dec 74 (Fre)
- EFFECT OF GLUCOSE ON THE GROWTH HORMONE RESPONSE TO L-DOPA IN NORMAL AND DIABETIC SUBJECTS.** Ajlouni K, Martinson DR, Hagen TC *Diabetes* 24: 633-6, Jul 75 (Eng)
- INHIBITION OF LABILE AGGREGATION-STIMULATING SUBSTANCE (LASS) AND PLATELET AGGREGATION IN DIABETES MELLITUS.** Colwell JA, Chambers A, Laimins M *Diabetes* 24: 684-7, Jul 75 (Eng)
- RED CELL 2, 3-DIPHOSPHOGLYCERATE LEVELS AMONG DIABETIC PATIENTS WITH AND WITHOUT VASCULAR COMPLICATIONS.** Kanter Y, Bessman SP, Bessman A *Diabetes* 24: 724-9, Aug 75 (Eng)
- SERUM PROINSULIN IN CHILDREN AND ADOLESCENTS WITH CHEMICAL DIABETES.** Rosenbloom AL, Starr JJ, Juhn D, Rubenstein AH *Diabetes* 24: 753-7, Aug 75 (Eng)
- METABOLIC RHYTHMS IN NORMAL AND DIABETIC MAN. STUDIES IN INSULIN-TREATED DIABETES.** Alberti KG, Dornhorst A, Rowe AS *Isr J Med Sci* 11: 571-80, Jun 75 (Eng)
- THE INHIBITORY EFFECT OF SOMATOSTATIN ON GROWTH HORMONE, INSULIN AND GLUCAGON SECRETION IN DIABETES MELLITUS.** Ward FR, Leblanc H, Yen SS *J Clin Endocrinol Metab* 41: 527-32, Sep 75 (Eng)
- RENAL TRANSPLANTATION IN INSULIN-DEPENDENT DIABETIC PATIENTS.** Kjellstrand CM, Shideman JR, Simmons RL, Buselmeier TJ, von Hartzsch B, Goetz FC, Najarian JS *Kidney Int [Suppl]* 15-20, Oct 74 (Eng)
- INTERACTION OF ENDOGENOUS GROWTH HORMONE, CORTISOL, AND**

1.F DIABETES

[CATECHOLAMINES WITH BLOOD GLUCOSE IN CHILDREN WITH BRITTLE DIABETES MELLITUS] Bruck E, MacGillivray MH *Pediatr Res* 9: 535-41, Jun 75 (Eng)

[EFFECT OF INSULIN ON THE NUCLEIC ACID LEVELS IN THE BLOOD OF PATIENTS WITH DIABETES MELLITUS] Franchuk MM *Ter Arkh* 47: 132-4, 1975 (Rus)

[EVALUATION OF THE BLOOD COAGULATION SYSTEM IN PATIENTS WITH DIABETES MELLITUS] Fradkina IuN *Vrach Delo* 38-41, Jun 74 (Rus)

1.F.3.4 DIABETES, URINE

INSULIN-LIKE INSULINASE-RESISTANT MATERIAL, DISTINGUISHABLE FROM NORMAL INSULIN, IN JUVENILE DIABETES. Crossley JR, Elliott RB *Diabetes* 24: 609-17, Jul 75 (Eng)

INTERACTION OF ENDOGENOUS GROWTH HORMONE, CORTISOL, AND CATECHOLAMINES WITH BLOOD GLUCOSE IN CHILDREN WITH BRITTLE DIABETES MELLITUS] Bruck E, MacGillivray MH *Pediatr Res* 9: 535-41, Jun 75 (Eng)

1.F.4 DIABETES, PHYSIOPATHOLOGY

[THE SPERMIOGRAMS OF DIABETIC AND NONDIABETIC PATIENTS WITH DISTURBANCES OF POTENCY (AUTHORS TRANSL)] Bartak V, Josifko M *Cas Lek Cesk* 114: 724-5, 13 Jun 75 (Cze)

EFFECT OF GLUCOSE ON THE GROWTH HORMONE RESPONSE TO L-DOPA IN NORMAL AND DIABETIC SUBJECTS. Ajlouni K, Martinson DR, Hagen TC *Diabetes* 24: 633-6, Jul 75 (Eng)

INHIBITION OF LABILE AGGREGATION-STIMULATING SUBSTANCE (LASS) AND PLATELET AGGREGATION IN DIABETES MELLITUS. Colwell JA, Chambers A, Laimins M *Diabetes* 24: 684-7, Jul 75 (Eng)

EFFECT OF PHYSICAL EXERCISE ON SECRETION OF GROWTH HORMONE, GLUCAGON, AND CORTISOL IN OBESE AND DIABETIC CHILDREN. Garlaschi C, di Natale B, del Guercio MJ, Caccamo A, Gargantini L, Chiumello G *Diabetes* 24: 758-61, Aug 75 (Eng)

[THE IMPORTANCE OF THE FIBRINOLYTIC SYSTEM FOR THE DETECTION OF THROMBOSIS SUSCEPTIBILITY] Klocking HP *Folia Haematol (Leipz)* 102: 238-47, 1975 (Ger)

[DISTURBANCE OF GASTRIC EMPTYING IN DIABETES MELLITUS (AUTHORS TRANSL)] Forgacs S *Fortschr Geb Roentgenstr Nuklearmed* 122: 541-7, Jun 75 (Ger)

[THE DIAGNOSTIC VALUE OF THE F WAVE LATENCY (AUTHORS TRANSL)] Conrad B, Aschoff JC, Fischler M *J Neurol* 210: 151-9, 22 Sep 75 (Ger)

AN ELECTRO-OCULOGRAPHIC STUDY OF OCULAR BOBBING AND INTERMITTENT VERTICAL OSCILLATIONS OCCURRING IN THE SAME PATIENT. Nakanishi T, Inoue K, Shimada Y, Toyokura Y *J Neurol* 210: 161-6, 22 Sep 75 (Eng)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: NEUROLOGIC COMPLICATIONS. Anonymous *Kidney Int [Suppl]* 95-9, Oct 74 (Eng)

[GLUCAGON: PHYSIOLOGY-PATHOLOGY] Benoit G *Lille Med* 20: 230-8, Mar 75 (Fre)

[DIABETIC GASTROPARESIS AND DIABETIC DIARRHEA] Forgacs S *Orv Hetil* 116: 2049-53, 31 Aug 75 (Hun)

DIABETES AND THE HEART. Scott RC *Am Heart J* 190: 283-9, Sep 75 (Eng) [83]

LETTERS TO THE EDITOR: LEFT VENTRICULAR FUNCTION IN DIABETES MELLITUS. Rubler S *Am Heart J* 90: 538, Oct 75 (Eng)

1.F.5 DIABETES, IMMUNOLOGY

TRANSPLANTATION OF THE ISLETS OF LANGERHANS AND THE HISTOCOMPATIBILITY OF ENDOCRINE TISSUE. Barker CF *Diabetes* 24: 766-75, Aug 75 (Eng)

LETTER: CLINICAL ASPECTS OF MONOCOMPONENT INSULIN IN DIABETES. Vinik AJ, Jackson WP *Lancet* 2: 5488, 20 Sep 75 (Eng)

INSULIN ANTIBODY FORMATION DURING LONG-TERM TREATMENT WITH MONOCOMPONENT AND MONOSPECIES INSULIN. Piers DA, Sluiter WJ, Reitsma WD, Doorenbos H *Neth J Med* 17: 234-8, 1974 (Eng)

[LATE COMPLICATIONS OF DIABETES MELLITUS-CONSEQUENCE OF IMMUNOLOGIC REACTIONS] Bemm H, Lohmann D *Allerg Immunol (Leipz)* 20-21: 15-20, 1974-75 (Ger)

1.F.6 DIABETES COMPLICATIONS AND PATHOLOGY

1.F.6.1 DIABETIC KETOACIDOSIS

1.F.6.1.1 ACIDOSIS, DIABETIC

EFFECT OF PHENFORMIN ON GLUCONEOGENESIS FROM LACTATE AND INTRACELLULAR PH IN THE ISOLATED PERFUSED GUINEA PIG LIVER. Lloyd MH, Iles RA, Walton B, Hamilton CA, Cohen RD *Diabetes* 24: 618-24, Jul 75 (Eng)

LACTIC ACIDOSIS ASSOCIATED WITH PHENFORMIN THERAPY. EVIDENCE THAT INHIBITED LACTATE OXIDATION IS THE CAUSATIVE FACTOR. Searle GL, Siperstein MD *Diabetes* 24: 741-5, Aug 75 (Eng)

ALCOHOLIC DETOSIS. Fulop M, Hoberman HD *Diabetes* 24: 785-90, Sep 75 (Eng)

PHENFORMIN-INDUCED LACTIC ACIDOSIS IN DIABETIC PATIENTS. Assan R, Heuclin C, Girard JR, LeMaire F, Attali JR *Diabetes* 24: 791-800, Sep 75 (Eng)

KETONE BODY METABOLISM IN NORMAL, OBESE AND DIABETIC SUBJECTS. Owen OE, Reichard GA Jr *Isr J Med Sci* 11: 560-70, Jun 75 (Eng)

MANAGEMENT OF JUVENILE DIABETES MELLITUS. Chaney C, Elders MJ *J Arkansas Med Soc* 72: 111-27, Aug 75 [50]

METABOLIC ALKALOSIS IN DIABETIC KETO-SIS. Jimenez JA, Daminano A, Fernandez E, Rodriguez-Rubio F, Garrido M *JAMA* 233: 1193-4, 15 Sep 75 (Eng)

[LACTIC ACIDOSIS TREATED WITH GLUCOSE AND INSULIN] Brubakk O, Hopen G *Tidsskr Nor Lægeforen* 95: 1412-3, 10 Sep 75 (Nor)

[TREATMENT OF SEVERE DIABETIC KETOACIDOSIS WITH CONTINUOUS INTRAVENOUS INFUSION OF LOW DOSES OF INSULIN] Anonymous *Tidsskr Nor Lægeforen* 95: 1415-6, 10 Sep 75 (Nor)

[NEONATAL LACTIC ACIDOSIS AND HYPOGLYCEMIA DUE TO A CONGENITAL HEPATIC FRUCTOSE-1,6-DIPHOSPHATASE DEFICIENCY] Retbi JM, Gablilan JC, Marsac C *Arch Fr Pediatr* 32: 367-80, Apr 75 (Fre)

LACTIC ACIDOSIS IN EPINEPHRINE POISONING. Kolendorf K, Moller BB *Acta Med Scand* 196: 465-6, Dec 74 (Eng)

NOREPINEPHRINE CONCENTRATION IN HEART MUSCLE AND HYPOTHALAMUS DURING ACIDOSIS IN THE RAT. Karpati P, Preda I, Endrooczi E *Acta Physiol Acad Sci Hung* 43: 315-20, 1973 (Eng)

1.F.6.1.2 DIABETIC COMA

[LETTER: LOW-DOSE INSULIN THERAPY IN DIABETIC COMA: DOCUMENTATION OF RESULTING INSULIN LEVELS] Berger M, Cuppers HJ, Berchtold P, Zimmermann H *Dtsch Med Wochenschr* 100: 1995-6, 26 Sep 75 (Ger)

MARKED HYPERTHERMIA AS A MANIFESTATION OF HYPOGLYCEMIA IN LONG-STANDING DIABETES MELLITUS. Chochinov R, Daughaday WH *Diabetes* 24: 859-60, Sep 75 (Eng)

[HEMOSTASIS IN COMATOUS AND SUBCOMATOUS PATIENTS WITH VIRAL HEPATITIS] Velkova-Simova N, Grunevska B *God Zh Med Fak Skopje* 17: 177-86, 1971 (Ser)

[DISTURBANCE OF GASTRIC EMPTYING IN DIABETES MELLITUS (AUTHORS TRANSL)] Forgacs S *Fortschr Geb Roentgenstr Nuklearmed* 122: 541-7, Jun 75 (Ger)

LETTER: SMALL INTRAVENOUS INSULIN BOLUSES IN THE TREATMENT OF DIABETIC COMA. Clumbeck N, Detroyer A, Naeije R, Ectors M, Balasse EO *Lancet* 2: 416, 30 Aug 75 (Eng)

LETTER: INTRAVENOUS INSULIN BOLUSES IN TREATMENT OF DIABETIC COMA. Alberti KG *Lancet* 2: 547-8, 20 Sep 75 (Eng)

[ACUTE SITUATIONS AND SOCIOMEDICAL PROBLEMS IN DIABETES MELLITUS] Petrides P *Med Welt* 26: 1582-5, 5 Sep 75 (Ger)

[CARDIOVASCULAR COMPLICATIONS OF HYPEROSMOLAR DIABETIC COMA. STUDY OF 4 CASES] Ramon JS, Daroca JC, Perez JF, Frances JM, Gorina AB *Rev Clin Esp* 137: 521-6, 30 Jun 75 (Spa)

CLINICAL EXPERIENCE WITH HYPEROSMOLAR NON-KETOTIC DIABETIC COMA. Pin L, Tan MG *Singapore Med J* 16: 147-9, Jun 75 (Eng)

[SMALL DOSES OF INTRAMUSCULAR INSULIN IN TREATMENT OF DIABETIC COMA] Reinholdtsen J *Tidsskr Nor Lægeforen* 95: 1413-4, 10 Sep 75 (Nor)

[PROGRESS IN THE TREATMENT OF DIABETIC COMA] Aarseth S *Tidsskr Nor Lægeforen* 95: 1426-7, 10 Sep 75 (Nor)

1.F.6.2 DIABETIC ANGIOPATHIES

[PREVENTION OF DIABETIC ANGIOPATHY OR REVISION OF THE CONCEPT OF CONTROL AND COMPENSATION OF DIABETES AND OF ITS PRACTICAL MANAGEMENT] Scapellato L *Boll Soc Ital Cardiol* 19: 731-8, 1974 (Ita)

[HYPERLIPIDEMIA AND HYPERLIPOPROTEINEMIA AMONG THE RELATIVES OF DIABETIC PATIENTS] Valek J, Grafnetter D, Slabochova Z, Platilova H *Cas Lek Cesk* 114: 837-40, 4 Jul 75 (Cze)

Diabetes Literature—Hierarchical Index

1.F DIABETES

[PERIPHERAL ARTERIAL DISEASE AND DIABETES MELLITUS(AUTHORS TRANSL.) Jarosch-von Schweder W, Huchzermeyer H, Alexander K, Mitzkat HJ *Dtsch Med Wochenschr* 100: 1827-32, 12 Sep 75 (Ger)

[LETTER: SYMPATHECTOMY IN DIABETES] Waibel P *Dtsch Med Wochenschr* 100: 2058, 3 Oct 75 (Ger)

[GENERALIZED LIPODYSTROPHY (LIPOATROPHIC DIABETES) WITH DIABETIC ANGIOPATHY] Tenczynski L, Snarski A *Endokrynol Pol* 26: 239-46, May-Jun 75 (Pol)

RED CELL 2, 3-DIPHOSPHOGLYCERATE LEVELS AMONG DIABETIC PATIENTS WITH AND WITHOUT VASCULAR COMPLICATIONS. Kanter Y, Bessman SP, Bessman A *Diabetes* 24: 724-9, Aug 75 (Eng)

SPECIAL ISSUE ON ATHERO-ARTERIOSCLEROSIS, AN ICONOCLASTIC VIEW OF CURRENT CONCEPTS CONCERNING GENESIS, PREVENTION, AND CONTROL. Blumenthal HT, Alex M *Gerontologia* 21: 129-75, 1975 (Eng)

THE BEHAVIOUR OF THE PLATELET-LEUKOCYTE AGGREGATION IN THROMBOTIC CONDITIONS. Bielawiec M, Kiernowska-Rogowska B, Mysliwiec M, Perzanowski A *Folia Haematol (Leipz)* 102: 220-9, 1975 (Eng)

COMPARATIVE STUDY OF THE PATHOLOGY OF SUCROSE-INDUCED DIABETES IN THE RAT AND ADULT-ONSET DIABETES IN MAN. Rosenmann E, Yanko L, Cohen AM *Isr J Med Sci* 11: 753-61, Jul 75 (Eng)

[ETIOLOGY OF DIABETIC MICROANGIOPATHY] Wehner H *Hippokrates* 45: 508-10, Nov 74 (Ger)

AN ATHEROSCLEROSIS PREVENTION PROGRAM. EVALUATION OF THE FIRST SIX YEARS. Wear RF Jr, Cox ME, Lento HG *J Occup Med* 17: 295-303, May 75 (Eng)

HEMODIALYSIS-RELATED PROBLEMS IN PATIENTS WITH DIABETES MELLITUS. Kassissieh SD, Yen MC, Lazarus M, Lowrie EG, Goldstein HH, Takacs FJ, Hampers CL, Merrill JD *Kidney Int [Suppl]* 100-7, Oct 74 (Eng)

MAINTENANCE PERITONEAL DIALYSIS AS AN ALTERNATIVE IN THE PATIENT WITH DIABETES MELLITUS AND END-STAGE UREMIA. Blumenkrantz MJ, Shapiro DJ, Mimura N, Gropoulos DG, Griedler RM, Levin S, Tenckhoff H, Coburn JW *Kidney Int [Suppl]* 108-14, Oct 74 (Eng)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: TECHNICAL ASPECTS OF DIALYSIS. Anonymous *Kidney Int [Suppl]* 115-28, Oct 74 (Eng)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: GENERAL TOPICS AND SUMMARY. Anonymous *Kidney Int [Suppl]* 179-86, Oct 74 (Eng)

MAGNITUDE OF THE RENAL FAILURE PROBLEM IN DIABETIC PATIENTS. Knowles HC Jr *Kidney Int [Suppl]* 2-7, Oct 74 (Eng) [34]

VISUAL AND VASCULAR PROBLEMS IN DIALYZED DIABETIC PATIENTS. Blagg CR *Kidney Int [Suppl]* 27-31, Oct 74 (Eng)

AORTO-CORONARY BYPASS IN THE DIABETIC PATIENT. Draskoczy SP, Leland OS, Bradley RF *Kidney Int [Suppl]* 37-40, Oct 74 (Eng)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: VASCULAR AND VISUAL COMPLICATIONS. Anonymous *Kidney Int [Suppl]* 41-6, Oct 74 (Eng)

NEUROPATHY IN TRANSPLANTED DIABETIC PATIENTS. Wilson RE, Goldman MH, Yen MC, Kassissieh SD, Strom T, Kahn CB *Kidney Int [Suppl]* 90-4, Oct 74 (Eng)

[COMPLICATIONS AND SECONDARY DISEASES IN DIABETES MELLITUS] Dieterle P *Med Welt* 26: 1577-81, 5 Sep 75 (Ger)

[RISK FACTOR HYPERLIPEMIA: CLINICAL ASPECTS AND THERAPY] Gries FA *Med Welt* 26: 1590-7, 5 Sep 75 (Ger)

[RISK FACTORS OF CORONARY HEART DISEASES IN HOSPITALIZED PSYCHIC PATIENTS] Schwalb H *Munch Med Wochenschr* 117: 1181-8, 11 Jul 75 (Ger)

MUSCULAR CAPILLARY BASEMENT MEMBRANE HYPERTROPHY IN HYPERLIPEMIA TYPE IV: A REVERSIBLE CONSEQUENCE OF A METABOLIC DISORDER. De Vries O, Vos J, Reitsma WD, Doorenbos H, Molenaar I *Neth J Med* 17: 220-6, 1974 (Eng)

[RADIOCINEMATOGRAPHY] Anonymous *Minerva Cardioangiol* 22: 391-2, May 74 (Ita)

REMARKS ON MICROANGIOPATHIA DIABETICA. Bauer J *Panninervia Med* 14: 83, Mar 72 (Eng)

[LETTER: STUDY OF SYMPATHETIC GANGLIC BY ELECTRON MICROSCOPY. ANATOMO-CLINICAL RELATIONS IN ARTERIOPATHIES] Courbier R, Jausseran JM, Reggi M, Choux R, Toga M *Nouv Presse Med* 4: 1814, 14 Jun 75 (Fre)

[BLOOD GLUCOSE CURVE IN PATIENTS WITH INTRACTABLE CORONARY FAILURE] Slidziewski K, Kraszewska Z, Lada W *Pol Tyg Lek* 30: 1479-81, 8 Sep 75 (Pol)

CURRENT CONCEPTS IN THE TREATMENT OF OSTEOMYELITIS. Medoff G *Postgrad Med* 58: 157-61, Sep 75 (Eng)

[DIABETES MELLITUS AND ARTERIAL HYPERTENSION (AUTHORS TRANSL.)] Verneet A, Fabre J, Merier G *Praxis* 64: 583-8, 13 May 75 (Fre)

[CARDIOVASCULAR COMPLICATIONS OF HYPEROSMOLAR DIABETIC COMA. STUDY OF 4 CASES] Ramon JS, Daroca JC, Perez JF, Frances JM, Gorina AB *Rev Clin Esp* 137: 521-6, 30 Jun 75 (Spa)

PHYSIOTHERAPEUTIC METHODS OF TREATMENT OF DIABETES MELLITUS] Verigo LP, Tirkina TN, Zhukovskii MA *Sov Med* 135-6, Jun 75 (Rus)

[PREDIABETIC STATE, DIABETES AND ARTERIOSCLEROSIS] Efendic S, Milentijevic G, Luft R *Srp Arh Celok Lek* 103: 249-55, Apr 75 (Ser)

[POLYGENIC (MULTIFACTORIAL) HEREDITY AND INTERPRETATION OF THE GENETIC COMPONENT IN COMMON DISEASES] Moraru I, Antohi S, Imbroane I *Stud Cercet Med Interna* 14: 3-5, 1973 (Rom)

[PROBLEM OF MYOCARDIAL INFARCT IN PATIENTS WITH DIABETES] Panos J, Pejchl S *Vnit Lek* 21: 778-83, Aug 75 (Cze)

[SIGNIFICANCE OF THE OBESITY RISK FACTOR IN OLD AGE] Ries W *Z Alternsforsch* 28: 145-52, 1974 (Ger)

MISUNDERSTANDING OR ERROR THE UGDP REPORT AFTER FOUR YEARS. Marigo S, Adezati L, Burnett P, Pozza G, Robba L, Urbinati G *Acta Diabetol Lat* 11: 357-422, Sep - Oct 74 (Eng) [83]

DIABETES AND THE HEART. Scott RC *Am Heart J* 90: 283-9, Sep 75 (Eng) [83]

MYOPATHIES RELATED TO DIABETES MELLITUS AND OTHER METABOLIC DISEASES. Zacks SI *Ann Clin Lab Sci* 5: 248-51, Jul-Aug 75 (Eng)

[CORONAROPATHIES IN THE BLACK AFRICAN. CLINICAL, ETIOLOGICAL AND CURRENT EPIDEMIOLOGICAL ASPECTS (APPROX OF 45 CASES)] Bertrand E, Baudin L, Chauvet J, Assamoi MO, Bada B, Renambot J, Thomas JY, Le Bras M *Arch Mal Coeur* 67: 1447-55, Dec 74 (Fre)

BEHCETS SYNDROME: CLINICAL, IMMUNOLOGICAL AND THERAPEUTIC EVALUATION OF 17 PATIENTS. Cooper DA, Penny R *Aust NZ J Med* 4: 585-96, Dec 74 (Eng)

INHERITED DEPRESSION OF ARTERIAL LIPOAMIDE DEHYDROGENASE ACTIVITY ASSOCIATED WITH SUSCEPTIBILITY TO ATHEROSCLEROSIS IN PIGEONS. Zemplyni T, Blankenhorn DH, Rosenstien AJ *Circ Res* 36: 640-6, May 75 (Eng)

GLYCOGEN METABOLISM AND THE EFFECT OF NITROGLYCERIN ON THE GLYCOGEN METABOLISM IN THE NORMAL AND ISCHEMIC CANINE MYOCARDIUM. Ichihara K, Abiko Y *Experientia* 31: 477-9, 15 Apr 75 (Eng)

REVERSIBILITY OF ATHEROSCLEROSIS. Adams CW *Guys Hosp Rep* 122: 327-30, 1973 (Eng)

HUMAN ADIPOCYTE CHOLESTEROL CONCENTRATION, LOCALIZATION, SYNTHESIS, AND TURNOVER. Schreimann PH, Dell RB *J Clin Invest* 55: 986-93, May 75 (Eng)

REPEATED ENDOTHELIAL INJURY AND INDUCTION OF ATHEROSCLEROSIS IN NORMOLIPEMIC RABBITS BY HUMAN SERUM. Friedman RJ, Moore S, Singal DP *Lab Invest* 32: 404-15, Mar 75 (Eng)

THE ROLE OF LIPID IN THE PATHOGENESIS OF ATHEROSCLEROSIS. Stehbers WE *Lancet* 1: 724-7, 29 Mar 75 (Eng)

CLINICAL EVALUATION OF TIBRIC ACID (CP 18,524) A NEW HYPOLIPIDEMIC AGENT. Sirtori CR, Zoppi S, Quarisa B, Agradi E *Pharmacol Res Commun* 6: 445-56, Oct 74 (Eng)

CHOLESTEROL BALANCE IN ATHEROSCLEROSIS-SUSCEPTIBLE ATHEROSCLEROSIS-RESISTANT PIGEONS. Siekert RG, Dicke BA, Subbiah MT, Kottke BA *Res Commun Chem Pathol Pharmacol* 10: 181-4, Jan 75 (Eng)

REGRESSION OF ESTABLISHED NATURAL ATHEROSCLEROTIC LESIONS BY INTESTINAL BYPASS SURGERY IN PIGEONS: STRUCTURE AND CHEMISTRY. Kotke BA, Unni KK, Carlo IA, Subbiah MT *Trans Assoc Am Physicians* 87: 263-70, 1974 (Eng)

SCANNING ELECTRON MICROSCOPIC OBSERVATIONS OF ENDOTHELIAL CHANGES IN EXPERIMENTALLY INDUCED ATHEROMATOSIS OF RABBIT AORTAS. de Bruijn WC, van Mourik W *Firchows Arch [Pathol Anat]* 365: 23-40, 1975 (Eng)

UPTAKE, OXIDATION, AND ESTERIFICATION OF FREE FATTY ACIDS IN NORMAL AND ATHEROSCLEROTIC RABBIT AORTA. Morrison ES, Scott RF, Kroms M, Frick J *Biochem Med* 11: 153-64, Oct 74 (Eng)

EFFECT OF EXERCISE AND PHYSICAL FITNESS ON SERUM LIPIDS AND LIPOPROTEINS. Lopez A, Vial R, Balart L, Arroyave G *Atherosclerosis* 20: 1-9, Jul-Aug 74 (Eng)

[METABOLIC RESPONSE TO NEW LIPID-LOWERING DIET (AUTHORS TRANSL.)] Valek J, Kuhn E, Pechar J, Storkova H *Cas Lek Cesk* 113: 647-50, 31 May 74 (Cze)

1.F DIABETES

ARTERIAL LYSSOMES AND CONNECTIVE TISSUE IN PRIMATE ATHEROSCLEROSIS AND HYPERTENSION. Wolinsky H, Goldfischer S, Daly MM, Kasak LE, Colloff-Schiller B *Circ Res* 36: 553-61, Apr 75 (Eng)

LETTER: HIGH-DENSITY LIPOPROTEIN AND ATHEROSCLEROSIS. Anonymous *Lancet* 1: 691, 22 Mar 75 (Eng)

EDITORIALS: ATHEROSCLEROSIS-A PEDIATRIC PROBLEM. Riley HD Jr *South Med J* 68: 255-7, Mar 75 (Eng)

[ISOLATION OF LIPOPROTEIN LIPASE FROM POSTHEPARIN RAT PLASMA AND DEMONSTRATION OF ITS BIOLOGICAL ACTIVITY] Bazarian GG, Levchuk TP, Malakhova EA, Smirnova VK, Sytina NP, Iakovlev VA *Vopr Med Khim* 20: 14-9, Jan-Feb 74 (Rus)

[EFFECT OF PYRIDINOLCARBAMATE ON LIPID METABOLISM OF NORMAL AND ATHEROSCLEROTIC INTIMA IN HUMAN FEMORAL ARTERIES] Horsch AK, Gilli J, Schreier U *Verh Dtsch Ges Inn Med* 80: 952-4, 1974 (Ger)

DIETARY SUCROSE IN RELATION TO THE DEVELOPMENT OF ISCHEMIC HEART DISEASE. Opie LH *Am Heart J* 89: 674-5, May 75 (Eng)

RISK FACTORS FOR MYOCARDIAL INFARCTION AND DEATH DUE TO ISCHEMIC HEART DISEASE AND OTHER CAUSES. Tibblin G, Wilhelmsen L, Werkö L *Am J Cardiol* 35: 514-22, Apr 75 (Eng)

HYPERLIPIDEMIA: TO TREAT OR NOT TO TREAT. Parsons WB Jr *Ariz Med* 32: 323-8, Apr 75 (Eng)

1.F.6.3 DIABETIC NEPHROPATHIES

EDITORIAL: RENAL TRANSPLANTATION IN DIABETES. Anonymous *Br Med J* 3: 397, 16 Aug 75 (Eng)

[GENERALIZED LIPODYSTROPHY (LIPOATROPHIC DIABETES) WITH DIABETIC ANGIOPATHY] Tenczynski L, Snarski A *Endokrynol Pol* 26: 239-46, May-Jun 75 (Pol)

RED CELL 2, 3-DIPHOSPHOGLYCERATE LEVELS AMONG DIABETIC PATIENTS WITH AND WITHOUT VASCULAR COMPLICATIONS. Kanter Y, Bessman SP, Bessman A *Diabetes* 24: 724-9, Aug 75 (Eng)

LACTIC ACIDOSIS ASSOCIATED WITH PHENFORMIN THERAPY. EVIDENCE THAT INHIBITED LACTATE OXIDATION IS THE CAUSATIVE FACTOR. Searle GL, Siperstein MD *Diabetes* 24: 741-5, Aug 75 (Eng)

PLASMA RENIN ACTIVITY IN JUVENILE DIABETES MELLITUS AND EFFECT OF DIAZOXIDE. Gossain VV, Werk EE, Sholiton LJ, Srivastava L, Knowles HC Jr *Diabetes* 24: 833-5, Sep 75 (Eng)

COMPARATIVE STUDY OF THE PATHOLOGY OF SUCROSE-INDUCED DIABETES IN THE RAT AND ADULT-ONSET DIABETES IN MAN. Rosenmann E, Yanko L, Cohen AM *Isr J Med Sci* 11: 753-61, Jul 75 (Eng)

MAINTENANCE DIALYSIS FOR DIABETIC NEPHROPATHY WITH UREMIA. Huang C, del Greco F, Ivanovich P, Krumlovsky FA, Roguska J, Simon NM, Hano J *J Chronic Dis* 28: 365-74, Aug 75 (Eng)

END-STAGE DIABETIC NEPHROPATHY. INTRODUCTION TO THE SYMPOSIUM. Anonymous *Kidney Int [Suppl]* 1, Oct 74 (Eng)

HEMODIALYSIS-RELATED PROBLEMS IN PATIENTS WITH DIABETES MELLITUS. Kaissis SD, Yen MC, Lazarus M, Lowrie EG, Goldstein HH, Takacs FJ, Hampers CL, Merrill JD *Kidney Int [Suppl]* 100-7, Oct 74 (Eng)

MAINTENANCE PERITONEAL DIALYSIS AS AN ALTERNATIVE IN THE PATIENT WITH DIABETES MELLITUS AND END-STAGE UREMIA. Blumenkrantz MJ, Shapiro DJ, Mimura N, Greopoulos DG, Griedler RM, Levin S, Tenckhoff H, Coburn JW *Kidney Int [Suppl]* 108-14, Oct 74 (Eng)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: TECHNICAL ASPECTS OF DIALYSIS. Anonymous *Kidney Int [Suppl]* 115-28, Oct 74 (Eng)

SURGICAL ASPECTS OF TRANSPLANTATION IN DIABETIC PATIENTS. Simmons RL, Kjellstrand cm, Kyriakides GK, Rattazzi LC, Spanos PK, Casali R, Najarian JS *Kidney Int [Suppl]* 129-32, Oct 74 (Eng)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: PROBLEMS IN TRANSPLANTATION. Anonymous *Kidney Int [Suppl]* 133-40, Oct 74 (Eng)

PSYCHOSOCIAL PROBLEMS IN DIALYZED DIABETIC PATIENTS. Comty CM, Leonard A, Shapiro FL *Kidney Int [Suppl]* 144-51, Oct 74 (Eng)

SOCIAL AND PSYCHOLOGICAL REHABILITATION OF THE DIABETIC TRANSPLANT PATIENT. Simmons RG, Schilling KJ *Kidney Int [Suppl]* 152-8, Oct 74 (Eng)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: PSYCHOSOCIAL PROBLEMS. Anonymous *Kidney Int [Suppl]* 159-63, Oct 74 (Eng)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: GENERAL TOPICS AND SUMMARY. Anonymous *Kidney Int [Suppl]* 179-86, Oct 74 (Eng)

MAGNITUDE OF THE RENAL FAILURE PROBLEM IN DIABETIC PATIENTS. Knowles HC Jr *Kidney Int [Suppl]* 2-7, Oct 74 (Eng)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: THE PROBLEM OF END-STAGE DIABETIC NEPHROPATHY. Anonymous *Kidney Int [Suppl]* 21-6, Oct 74 (Eng)

VISUAL AND VASCULAR PROBLEMS IN DIALYZED DIABETIC PATIENTS. Blagg CR *Kidney Int [Suppl]* 27-31, Oct 74 (Eng)

NEUROPATHY, RETINOPATHY AND BIOPSY FINDINGS IN TRANSPLANTED KIDNEY IN DIABETIC PATIENTS. Barbosa J, Burke B, Buselmeier TJ, Carpenter AM, Goetz FC, Harris J, Kennedy WR, Kjellstrand CM, Michael AF, Najarian JS, Recker I *Kidney Int [Suppl]* 32-6, Oct 74 (Eng)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: VASCULAR AND VISUAL COMPLICATIONS. Anonymous *Kidney Int [Suppl]* 41-6, Oct 74 (Eng)

METABOLIC PROBLEMS IN LONG-STANDING INSULIN-DEPENDENT DIABETIC PATIENTS. Cahill GF Jr *Kidney Int [Suppl]* 47-50, Oct 74 (Eng)

NUTRITIONAL AND METABOLIC PROBLEMS IN THE DIALYZED PATIENT WITH DIABETES MELLITUS. Comty CM, Leonard A, Shapiro FL *Kidney Int [Suppl]* 51-7, Oct 74 (Eng)

METABOLIC PROBLEMS IN DIABETIC PATIENTS UNDERGOING RENAL TRANSPLANTATION. Palumbo PJ, Woods JE, Johnson WJ,

Service FJ *Kidney Int [Suppl]* 58-62, Oct 74 (Eng)

INSULIN AND GLUCOSE METABOLISM IN RENAL INSUFFICIENCY. Reaven GM, Weisinger JR, Swenson RS *Kidney Int [Suppl]* 63-9, Oct 74 (Eng)

GLUCOSE INTOLERANCE IN THE HEMODIALYZED PATIENT: A BRIEF OVERVIEW. Westervelt FB Jr *Kidney Int [Suppl]* 70-2, Oct 74 (Eng)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: METABOLIC COMPLICATIONS. Anonymous *Kidney Int [Suppl]* 73-6, Oct 74 (Eng)

MORTALITY, MORBIDITY AND REHABILITATION RESULTS IN REGULARLY DIALYZED PATIENTS WITH DIABETES MELLITUS. Shapiro FL, Leonard A, Comty CM *Kidney Int [Suppl]* 8-14, Oct 74 (Eng)

NEUROPATHY IN DIALYZED DIABETIC PATIENTS. Blagg CR, Tenckhoff H, Scribner BH *Kidney Int [Suppl]* 86-9, Oct 74 (Eng)

NEUROPATHY IN TRANSPLANTED DIABETIC PATIENTS. Wilson RE, Goldman MH, Yen MC, Kassissieh SD, Strom T, Kahn CB *Kidney Int [Suppl]* 90-4, Oct 74 (Eng)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: NEUROLOGIC COMPLICATIONS. Anonymous *Kidney Int [Suppl]* 95-9, Oct 74 (Eng)

[COMPLICATIONS AND SECONDARY DISEASES IN DIABETES MELLITUS] Dieterte P *Med Welt* 26: 1577-81, 5 Sep 75 (Ger)

[DIABETES MELLITUS AND ARTERIAL HYPERTENSION (AUTHORS TRANSL)] Verneet A, Fabre J, Merier G *Praxis* 64: 583-8, 13 May 75 (Fre)

NEW ULTRASTRUCTURAL APPROACH TO THE PATHOGENESIS OF DIABETIC GLOMERULOSCLEROSIS. Campeanu S, Campeanu L *Acta Diabetol Lat* 11: 283-95, Jul-Aug 74 (Eng)

[LATE COMPLICATIONS OF DIABETES MELLITUS-CONSEQUENCE OF IMMUNOLOGICAL REACTIONS] Bemm H, Lohmann D *Allerg Immunol (Leipz)* 20-21: 15-20, 1974-75 (Ger)

SPONTANEOUS REMISSION OF THE NEPHROTIC SYNDROME IN DIABETIC NEPHROPATHY. Pabico RC, Panner BJ, McKenna BA, Freeman RB *Am J Med* 59: 434-43, Sep 75 (Eng)

LONG TERM STUDIES OF PANCREAS TRANSPLANTATION IN EXPERIMENTAL DIABETES MELLITUS. Orloff MJ, Lee S, Charters AC 3d, Gramorb DE, Storck LG, Knox D *Ann Surg* 182: 198-206, Sep 75 (Eng)

1.F.6.4 DIABETIC NEUROPATHIES

RED CELL 2, 3-DIPHOSPHOGLYCERATE LEVELS AMONG DIABETIC PATIENTS WITH AND WITHOUT VASCULAR COMPLICATIONS. Kanter Y, Bessman SP, Bessman A *Diabetes* 24: 724-9, Aug 75 (Eng)

[DISTURBANCE OF GASTRIC EMPTYING IN DIABETES MELLITUS (AUTHORS TRANSL)] Forgacs S *Fortschr Geb Roentgenstr Nuklearmed* 122: 541-7, Jun 75 (Ger)

[THE DIAGNOSTIC VALUE OF THE F WAVE LATENCY (AUTHORS TRANSL)] Conrad B, Aschoff JC, Fischler M *J Neurol* 210: 151-9, 22 Sep 75 (Ger)

[TO THE DIFFERENTIAL DIAGNOSIS OF CRANIAL NERVE LESIONS: THE PROGRESSIVE NECROTIC EXTERNAL OTITIS

Diabetes Literature—Hierarchical Index

1.F DIABETES

- (AUTHORS TRANSL.) [Draf W, Regli F *J Neurol* 210: 219-26, 22 Sep 75 (Ger)]
- NEW USES FOR PHENYTOIN.** Walson P, Trinca C, Bressler R *JAMA* 233: 1385-9, 29 Sep 75 (Eng)
- END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: TECHNICAL ASPECTS OF DIALYSIS.** Anonymous *Kidney Int [Suppl]* 115-28, Oct 74 (Eng)
- NEUROPATHY, RETINOPATHY AND BIOPSY FINDINGS IN TRANSPLANTED KIDNEY IN DIABETIC PATIENTS.** Barbosa J, Burke B, Buselmeier TJ, Carpenter AM, Goetz FC, Harris J, Kennedy WR, Kjellstrand CM, Michael AF, Najarian JS, Recker L *Kidney Int [Suppl]* 32-6, Oct 74 (Eng)
- NEUROPATHY IN LONG-STANDING INSULIN-DEPENDENT DIABETIC PATIENTS.** Elleberg M *Kidney Int [Suppl]* 77-85, Oct 74 (Eng) [29]
- NEUROPATHY IN DIALYZED DIABETIC PATIENTS.** Blagg CR, Tenckhoff H, Scribner BH *Kidney Int [Suppl]* 86-9, Oct 74 (Eng)
- NEUROPATHY IN TRANSPLANTED DIABETIC PATIENTS.** Wilson RE, Goldman MH, Yen MC, Kassissieh SD, Strom T, Kahn CB *Kidney Int [Suppl]* 90-4, Oct 74 (Eng)
- END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: NEUROLOGIC COMPLICATIONS.** Anonymous *Kidney Int [Suppl]* 95-9, Oct 74 (Eng)
- [COMPLICATIONS AND SECONDARY DISEASES IN DIABETES MELLITUS] Dieterle P *Med Welt* 26: 1577-81, 5 Sep 75 (Ger)
- [DIABETIC AMYOTROPHY] Indan L, Jackowska D, Matyjek J *Pol Tyg Lek* 30: 1537-8, 15 Sep 75 (Pol)
- PHYSIOTHERAPEUTIC METHODS OF TREATMENT OF DIABETES MELLITUS** Verigo LP, Tirkina TN, Zhukovskii MA *Sov Med* 135-6, Jun 75 (Rus)
- [CHANGES OF THE SOMATIC PERIPHERAL NERVOUS SYSTEM IN DIABETES MELLITUS] Lekishvili VP, Gogibedashvili NV, Khoshartaria NK *Sov Med* 136-7, Jun 75 (Rus)
- [THE DIABETIC ATONIC ENLARGED BLADDER] Genin R *Acta Urol Belg* 43: 101-6, Jan 75 (Fre)
- MYOPATHIES RELATED TO DIABETES MELLITUS AND OTHER METABOLIC DISEASES.** Zacks SI *Ann Clin Lab Sci* 5: 248-51, Jul-Aug 75 (Eng)
- LONG TERM STUDIES OF PANCREAS TRANSPLANTATION IN EXPERIMENTAL DIABETES MELLITUS.** Orloff MJ, Lee S, Charters AC 3d, Grambort DE, Storck LG, Knox D *Ann Surg* 182: 198-206, Sep 75 (Eng)
- 1.F.6.5 DIABETIC RETINOPATHY**
- [GENERALIZED LIPODYSTROPHY (LIPOATROPHIC DIABETES) WITH DIABETIC ANGIOPATHY] Tenczynski L, Snarski A *Endokrynol Pol* 26: 239-46, May-Jun 75 (Pol)
- RED CELL 2, 3-DIPHOSPHOGLYCERATE LEVELS AMONG DIABETIC PATIENTS WITH AND WITHOUT VASCULAR COMPLICATIONS.** Kanter Y, Bessman SP, Bessman A *Diabetes* 24: 724-9, Aug 75 (Eng)
- COMPARATIVE STUDY OF THE PATHOLOGY OF SUCROSE-INDUCED DIABETES IN THE RAT AND ADULT-ONSET DIABETES IN MAN.** Rosenmann E, Yanko L, Cohen AM *Isr J Med Sci* 11: 753-61, Jul 75 (Eng)
- EDITORIAL: INTRAVASCULAR FACTORS IN DIABETIC RETINOPATHY.** Vaisrub S *JAMA* 233: 1303, 22 Sep 75 (Eng)
- MAINTENANCE PERITONEAL DIALYSIS AS AN ALTERNATIVE IN THE PATIENT WITH DIABETES MELLITUS AND END-STAGE UREMIA.** Blumenkrantz MJ, Shapiro DJ, Mimura N, Greopoulos DG, Griedler RM, Levin S, Tenckhoff H, Coburn JW *Kidney Int [Suppl]* 108-14, Oct 74 (Eng)
- END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: TECHNICAL ASPECTS OF DIALYSIS.** Anonymous *Kidney Int [Suppl]* 115-28, Oct 74 (Eng)
- END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: GENERAL TOPICS AND SUMMATION.** Anonymous *Kidney Int [Suppl]* 179-86, Oct 74 (Eng)
- VISUAL AND VASCULAR PROBLEMS IN DIALYZED DIABETIC PATIENTS.** Blagg CR *Kidney Int [Suppl]* 27-31, Oct 74 (Eng)
- NEUROPATHY, RETINOPATHY AND BIOPSY FINDINGS IN TRANSPLANTED KIDNEY IN DIABETIC PATIENTS.** Barbosa J, Burke B, Buselmeier TJ, Carpenter AM, Goetz FC, Harris J, Kennedy WR, Kjellstrand CM, Michael AF, Najarian JS, Recker L *Kidney Int [Suppl]* 32-6, Oct 74 (Eng)
- END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: VASCULAR AND VISUAL COMPLICATIONS.** Anonymous *Kidney Int [Suppl]* 41-6, Oct 74 (Eng)
- NEUROPATHY IN TRANSPLANTED DIABETIC PATIENTS.** Wilson RE, Goldman MH, Yen MC, Kassissieh SD, Strom T, Kahn CB *Kidney Int [Suppl]* 90-4, Oct 74 (Eng)
- [INCREASED INFORMATION GAINED THROUGH CONTRAST-STEERED FUNDUS PHOTOGRAPHS] Meinel U, Hogner W *Klin Monatsbl Augenheilkd* 165: 887-91, Dec 74 (Ger)
- [FAVORABLE RESULTS OF ANABOLIC THERAPY IN CASES OF RETINAL DEGENERATION] Sobieska-Clarowa H *Klin Oczna* 45: 811-4, Jul 75 (Pol)
- [FLUORESCIN ANGIOGRAPHY OF THE IRIS IN DIABETES] Kodejszko J, Kornacki B *Klin Oczna* 45: 973-5, Sep 75 (Pol)
- [COMPLICATIONS AND SECONDARY DISEASES IN DIABETES MELLITUS] Dieterle P *Med Welt* 26: 1577-81, 5 Sep 75 (Ger)
- GENETICS AND RETINAL DETACHMENT.** Deutman AF *Mod Probl Ophthalmol* 15: 22-33, 1975 (Eng)
- VITRECTOMY IN THE TREATMENT OF SEVERE DIABETIC RETINOPATHY, WITH FOLLOW-UP.** Mandelcorn M, Muchemer R *Mod Probl Ophthalmol* 15: 226, 1975 (Eng)
- [LIGHT COAGULATION OF DIABETIC RETINOPATHY] Leuenberger AE *Mod Probl Ophthalmol* 15: 307-12, 1975 (Ger)
- [DIABETIC RETINOPATHY] Gerritsen FM *Ned Tijdschr Geneesk* 119: 964-9, 14 Jun 75 (Dut)
- [THE UPTAKE OF OXYGEN AND GLUCOSE BY THE GINGIVA IN DIABETES MELLITUS WITH VARIOUS FORMS OF PERIODONTAL DISEASES] Fett KD, Hommel H, Fischer U *Stomatol DDR* 25: 267-72, Apr 75 (Ger)
- PATHOGENESIS OF DIABETIC RETINOPATHY.** Oberman AE *Trans Pac Coast Otoophthalmol Soc* 55: 167-77, 1974 (Eng) [21]
- [LATE COMPLICATIONS OF DIABETES MELLITUS-CONSEQUENCE OF IMMUNOLOGIC REACTIONS] Bemh H, Lohmann D *Allerg Immunol (Leipz)* 20-21: 15-20, 1974-75 (Ger)
- PERIVASCULAR AND INTERVASCULAR RETICULAR FIBERS OF THE RETINA.** Ashton N, Tripathi R *Am J Ophthalmol* 80: 337-50, Sep 75 (Eng)
- ACTIVATED HUMAN RETINAL MICROGLIA UNDER PATHOLOGICAL CONDITIONS.** Vrabec F *Albrecht von Graefes Arch Klin Ophthalmol* 196: 49-60, 4 Aug 75 (Eng)
- HISTOPATHOLOGY AFTER VITRECTOMY WITH THE VITROPHAGE.** Weinberg RS, Peyman GA, Apple DJ *Albrecht von Graefes Arch Klin Ophthalmol* 196: 133-42, 6 Aug 75 (Eng)
- LONG TERM STUDIES OF PANCREAS TRANSPLANTATION IN EXPERIMENTAL DIABETES MELLITUS.** Orloff MJ, Lee S, Charters AC 3d, Grambort DE, Storck LG, Knox D *Ann Surg* 182: 198-206, Sep 75 (Eng)
- 1.F.6.6 OTHER COMPLICATIONS OF DIABETES**
- [HYPERLIPIDEMIA AND HYPERLIPOPROTEINEMIA AMONG THE RELATIVES OF DIABETIC PATIENTS] Valek J, Grafnetter D, Slabochova Z, Platilova H *Cas Lek Cesk* 114: 837-40, 4 Jul 75 (Cze)
- [PERIPHERAL ARTERIAL DISEASE AND DIABETES MELLITUS (AUTHORS TRANSL.)] Jarosch-von Schweder W, Huchzermeyer H, Alexander K, Mitzkat HJ *Dtsch Med Wochenschr* 100: 1827-32, 12 Sep 75 (Ger)
- ALCOHOLIC DETOSIS.** Fulop M, Hoberman HD *Diabetes* 24: 785-90, Sep 75 (Eng)
- CARBOHYDRATE TOLERANCE IN AUTOIMMUNE THYROIDITIS.** Finucane JF *Diabetes* 24: 829-32, Sep 75 (Eng)
- FACTITIAL PANNICULITIS AND NECROTIZING FASCITIS IN JUVENILE DIABETES.** Oh C, Ginsberg-Fellner F, Dolger H *Diabetes* 24: 856-8, Sep 75 (Eng)
- MARKED HYPERTHERMIA AS A MANIFESTATION OF HYPOGLYCEMIA IN LONG-STANDING DIABETES MELLITUS.** Chochinov R, Daughaday WH *Diabetes* 24: 859-60, Sep 75 (Eng)
- IMPOTENCE AS A CONSEQUENCE OF ORGANIC DISEASE.** Kent S *Geriatrics* 30: 155, 157, Sep 75 (Eng)
- THE PROBLEMS OF ABDOMINAL OPERATIONS IN ELDERLY PATIENTS.** Szauer JS, Zukauskas C *Geriatrics* 30: 57-9, 63-4, Sep 75 (Eng)
- ASSESSING INCIDENCE AND RISK FACTORS IN MYOCARDIAL INFARCTION.** Librach G, Schadel M, Seltzer M, Hart A *Geriatrics* 30: 79-82, 89-93, Sep 75 (Eng)
- [VIRAL HEPATITIS AND DIABETES MELLITUS]** Trunevska B, Mironski S, Karovski K, Phasevski A, Petrovski K *God Zh Med Fak Skopje* 17: 407-13, 1971 (Ser)
- [LOSS OF CONSCIOUSNESS IN A DIABETIC PATIENT] Shakkai M, Pinchas I, De-Vries A *Harefuah* 88: 536, 1 Jun 75 (Heb)
- [DISTURBANCE OF GASTRIC EMPTYING IN DIABETES MELLITUS (AUTHORS TRANSL.)] Forgacs S *Fortschr Geb Roentgenstr Nuklearmed* 122: 541-7, Jun 75 (Ger)
- [THE EMPHYSEMATOUS CHOLECYSTITIS] Prager P, Schneider H *Fortschr Geb Roentgenstr Nuklearmed* 122: 563-5, Jun 75 (Ger)
- CELLULAR IMMUNE RESPONSE TO PERIPHERAL NERVE BASIC PROTEIN IN IDIOPATHIC FACIAL PARALYSIS (BELLS PALSY).** Abramsky O, Webb C, Teitelbaum D, Arnon R *J Neurol Sci* 26: 13-20, Sep 75 (Eng)

1.F DIABETES

- [THE OCCURRENCE OF DIABETES MELLITUS, DIABETES INSIPIDUS, OPTIC ATROPHY AND NEUROGENIC DEAFNESS IN ONE PATIENT (AUTHORS TRANSL.) Foerster K, Spranger J, Beyer J, Regli F *J Neurol* 210: 71-6, 4 Aug 75 (Ger)]
- [TO THE DIFFERENTIAL DIAGNOSIS OF CRANIAL NERVE LESIONS: THE PROGRESSIVE NECROTISING EXTERNAL OTITIS (AUTHORS TRANSL.) Drafi W, Regli F *J Neurol* 210: 219-26, 22 Sep 75 (Ger)]
- HEMODIALYSIS-RELATED PROBLEMS IN PATIENTS WITH DIABETES MELLITUS. Kaissis SD, Yen MC, Lazarus M, Lowrie EG, Goldstein HH, Takacs FJ, Hampers CL, Merrill JD *Kidney Int [Suppl]* 100-7, Oct 74 (Eng)
- PSYCHOSOCIAL PROBLEMS IN DIALYZED IDIABETIC PATIENTS. Comty CM, Leonard A, Shapiro FL *Kidney Int [Suppl]* 144-51, Oct 74 (Eng)
- SOCIAL AND PSYCHOLOGICAL REHABILITATION OF THE DIABETIC TRANSPLANT PATIENT. Simmons RG, Schilling KJ *Kidney Int [Suppl]* 152-8, Oct 74 (Eng)
- END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: GENERAL TOPICS AND SUMMATION. Anonymous *Kidney Int [Suppl]* 179-86, Oct 74 (Eng)
- MAGNITUDE OF THE RENAL FAILURE PROBLEM IN DIABETIC PATIENTS. Knowles HC Jr *Kidney Int [Suppl]* 2-7, Oct 74 (Eng) [34]
- END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: THE PROBLEM OF END-STAGE DIABETIC NEPHROPATHY. Anonymous *Kidney Int [Suppl]* 21-6, Oct 74 (Eng)
- VISUAL AND VASCULAR PROBLEMS IN DIALYZED DIABETIC PATIENTS. Blagg CR *Kidney Int [Suppl]* 27-31, Oct 74 (Eng)
- END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: VASCULAR AND VISUAL COMPLICATIONS. Anonymous *Kidney Int [Suppl]* 41-6, Oct 74 (Eng)
- METABOLIC PROBLEMS IN LONG-STANDING INSULIN-DEPENDENT DIABETIC PATIENTS. Cahill GF Jr *Kidney Int [Suppl]* 47-50, Oct 74 (Eng) [25]
- METABOLIC PROBLEMS IN DIABETIC PATIENTS UNDERGOING RENAL TRANSPLANTATION. Palumbo PJ, Woods JE, Johnson WJ, Service FJ *Kidney Int [Suppl]* 58-62, Oct 74 (Eng)
- END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: METABOLIC COMPLICATIONS. Anonymous *Kidney Int [Suppl]* 73-6, Oct 74 (Eng)
- NEUROPATHY IN LONG-STANDING INSULIN-DEPENDENT DIABETIC PATIENTS. Elleberg M *Kidney Int [Suppl]* 77-85, Oct 74 (Eng) [29]
- END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: NEUROLOGIC COMPLICATIONS. Anonymous *Kidney Int [Suppl]* 95-9, Oct 74 (Eng)
- [ENDOCRINE DWARFISM. 3. DIAGNOSIS AND THERAPY OF NONHYPOTHALAMIC-NON-PITUITARY ENDOCRINE DWARFISM] Hesse V *Kinderarztl Prax* 43: 217-26, May 75 (Ger)
- FLUID AND ELECTROLYTE THERAPY. Hartsock JM *Major Probl Clin Surg* 17: 39-52, 1975 (Eng)
- LETTER: GLYCEROL, CEREBRAL OEDEMA, AND DIABETES. Hurwitz BJ, Rottenberg DA *Lancet* 2: 369, 23 Aug 75 (Eng)
- LETTER: ORAL HYPOGLYCAEMIC AGENTS IN DIABETES MELLITUS. Grimes DS *Lancet* 2: 616, 27 Sep 75 (Eng)
- [COMPLICATIONS AND SECONDARY DISEASES IN DIABETES MELLITUS] Dieterle P *Med Welt* 26: 1577-81, 5 Sep 75 (Ger)
- [ACUTE SITUATIONS AND SOCIOMEDICAL PROBLEMS IN DIABETES MELLITUS] Petrides P *Med Welt* 26: 1582-5, 5 Sep 75 (Ger)
- [DEFINITION AND PHYSIOPATHOLOGY OF DIABETIC AND NON-DIABETIC HYPERLIPOPROTEINEMIAS] Jahnke K *Med Welt* 26: 1586-9, 5 Sep 75 (Ger)
- [RISK FACTOR HYPERLIPIDEMIA: CLINICAL ASPECTS AND THERAPY] Gries FA *Med Welt* 26: 1590-7, 5 Sep 75 (Ger)
- THE TOURIST AS PATIENT. Sorokin M *Med J Aust* 2: 182-5, 2 Aug 75 (Eng)
- MICROSURGICAL ROTO-EXTRACTOR INSTRUMENT FOR VITRECTOMY. Douvas NG *Mod Probl Ophthalmol* 15: 253-60, 1975 (Eng)
- [RISK FACTORS OF CORONARY HEART DISEASES IN HOSPITALIZED PSYCHIC PATIENTS] Schwalb H *Munch Med Wochenschr* 117: 1181-8, 11 Jul 75 (Ger)
- [LIPOATROPHIC DIABETES. REPORT OF A CASE (AUTHORS TRANSL.)] Zollner N, Dorfner H, Wolfram G *Munch Med Wochenschr* 117: 1209-14, 18 Jul 75 (Ger)
- [ACROMEGALY ASSOCIATED WITH PACHYDERMOPEPHOSIS] Chini V *Minerva Med* 66: 2717-28, 29 Aug 75 (Ita)
- [CLINICO-NEUROLOGIC AND ELECTROMYOGRAPHIC STUDIES OF PATIENTS WITH INITIAL ISOLATED PIGMENTARY RETINOPATHY] Muller-Jensen A, Eickhoff W, Hellner KA *Ophthalmologica* 170: 505-17, 1975 (Ger)
- [DIABETIC GASTROPARESIS AND DIABETIC DIARRHEA] Forgacs S *Orv Hetil* 116: 2049-53, 31 Aug 75 (Hun)
- [DIABETES MELLITUS AND ARTERIAL HYPERTENSION (AUTHORS TRANSL.)] Verne A, Fabre J, Merier G *Praxis* 64: 583-8, 13 May 75 (Fre)
- [PRACTICAL POSTGRADUATE COURSE IN DIABETOLOGY (AUTHORS TRANSL.)] Berger W *Praxis* 64: 735-7, 10 Jun 75 (Ger)
- [ACQUIRED ULCERO-MUTILATING ACROPATHIES IN ADULTS. CRITICAL STUDY OF 150 PERSONAL CASES] Barriere H, Litoux P, Bureau B, Guinecuc P, Wclin J *Sem Hop Paris* 51: 595-9, 20 Feb 75 (Fre)
- [OUR EXPERIENCE WITH THE TUBERCULOUS INFECTION IN CHILDREN] Jokanovic R, Nikezić M, Necić S *Srp Arh Celok Lek* 102: 866-73, Dec 74 (Ser)
- [THE UPTAKE OF OXYGEN AND GLUCOSE BY THE GINGIVA IN DIABETES MELLITUS WITH VARIOUS FORMS OF PERIODONTAL DISEASES] Fett KD, Hommel H, Fischer U *Stomatol DDR* 25: 267-72, Apr 75 (Ger)
- [PEMPHIGUS AND AZATHIOPRINE] Rancourt J, Lassonde M *Union Med Can* 104: 252-5, Feb 75 (Fre)
- [PROBLEM OF MYOCARDIAL INFARCT IN PATIENTS WITH DIABETES] Panos J, Pejchl S *Vnitř Lek* 21: 778-83, Aug 75 (Cze)
- [CASE OF CHRONIC BRUCELLOSIS ASSOCIATED WITH DIABETES AND ARTERIAL HYPERTENSION] Wojtowicz H *Wiad Lek* 28: 15 Aug 75 (Pol)
- NEW ULTRASTRUCTURAL APPROACH TO THE PATHOGENESIS OF DIABETIC GLOMERULOSCLEROSIS. Campeanu S, Campeanu L *Acta Diabetol Lat* 11: 283-95, Jul-Aug 74 (Eng)
- MISUNDERSTANDING OR ERROR THE UGDP REPORT AFTER FOUR YEARS. Marigo S, Adezati L, Burnett P, Pozza G, Robba L, Urbinati G *Acta Diabetol Lat* 11: 357-422, Sep-Oct 74 (Eng) [83]
- [HAEMOCHELECIST INDUCED BY GAN- GRENOUS CHOLECYSTITIS IN A DIABETIC (AUTHORS TRANSL.)] Roubay J, Mahieu F, Staquet JP, Bataille JP, Lederer J *Acta Gastroenterol Belg* 38: 237-41, May-Jun 75 (Fre)
- [LATE COMPLICATIONS OF DIABETES MELLITUS-CONSEQUENCE OF IMMUNOLOGIC REACTIONS] Bernh H, Lohmann D *Allerg Immunol (Leipz)* 20-21: 15-20, 1974-75 (Ger)
- COMPARATIVE STUDY OF GROWTH IN ASTHMATIC CHILDREN AND OTHER CHILDREN WITH CHRONIC DISEASE TO A CONTROL GROUP. Cernelc D, Cernelc M *Allerg Immunol (Leipz)* 20-21: 7-13, 1974-75 (Eng)
- DIABETES AND THE HEART. Scott RC *Ann Heart J* 90: 283-9, Sep 75 (Eng) [83]
- LABORATORY DIAGNOSIS OF DEGENERATIVE JOINT DISEASE. Schumacher HR Jr *Ann Clin Lab Sci* 5: 242-7, Jul-Aug 75 (Eng)
- MYOPATHIES RELATED TO DIABETES MELLITUS AND OTHER METABOLIC DISEASES. Zacks SI *Ann Clin Lab Sci* 5: 248-51, Jul-Aug 75 (Eng)
- [CORONAROPATHIES IN THE BLACK AFRICAN. CLINICAL, ETIOLOGICAL AND CURRENT EPIDEMIOLOGICAL ASPECTS (APPROX OF 45 CASES)] Bertrand E, Baudin L, Chauvet J, Assamoi MO, Beda B, Renambot J, Thomas JY, Le Bras M *Arch Mal Coeur* 67: 1447-55, Dec 74 (Fre)
- TYPE V HYPERLIPOPROTEINEMIA RE- VISTED: FINDINGS IN A SYDNEY POPULATION. Simons LA, Williams PF, Turtle JR *Aust NZ J Med* 5: 210-9, Jun 75 (Eng)

1.F.6.7 DIABETES PATHOLOGY

- [STUDIES ON THE MECHANISM OF THE DIABETOGENIC ACTIVITY OF STREPTOZOTOCIN AND ON THE ABILITY OF COMPOUNDS TO BLOCK THE DIABETOGENIC ACTIVITY OF STREPTOZOTOCIN (AUTHORS TRANSL.)] Doi K *Folia Endocrinol Jpn* 51: 129-47, 20 Mar 75 (Jpn)
- BASEMENT MEMBRANE DISEASES: A REVIEW. Read S *Guys Hosp Rep* 123: 53-65, 1974 (Eng) [32]
- COMPARATIVE STUDY OF THE PATHOLOGY OF SUCROSE-INDUCED DIABETES IN THE RAT AND ADULT-ONSET DIABETES IN MAN. Rosenmann E, Yanko L, Cohen AM *Isr J Med Sci* 11: 753-61, Jul 75 (Eng)
- [LIVER BIOPSY IN DIABETICS] Preszczynski M, Torzecki Z, Torzecka W, Mroszczyk M *Pol Tyg Lek* 30: 1355-6, 18 Aug 75 (Pol)
- [METHOD FOR THE ISOLATION OF HUMAN GLOMERULAR BASEMENT MEMBRANE (AUTHORS TRANSL.)] Nagano M, Kawamura M, Kawanishi M, Suzuki A *Res Exp Med (Berl)* 165: 191-7, 24 Sep 75 (Ger)
- COMPARISON OF THE CAPILLARY BASAL LAMINA WIDTH IN MARGINAL GINGIVA OF DIABETIC AND NON-DIABETIC PATIENTS. Ketcham B, Cobb CM, Denys FR *Am J Med Sci* 12: 295-301, Jul 75 (Eng)

Diabetes Literature—Hierarchical Index

1.F DIABETES

THE EFFECT OF AGE AND THE DURATION OF DIABETES MELLITUS ON THE WIDTH OF THE BASEMENT MEMBRANE OF SMALL VESSELS. Campbell MJ *Aust Dent J* 19: 414-9, Dec 74 (Eng)

1.F.6.8 PREGNANCY IN DIABETES

STUDIES ON THE MASS FRAGMENTOGRAPHIC DETERMINATION OF PLASMA ESTRIOL. Adlercreutz H, Nylander P, Hunneman DH *Biomed Mass Spectrom* 1: 332-9, Oct 74 (Eng)

CARBOHYDRATE METABOLISM IN PREGNANCY. PART I. DIURNAL PLASMA GLUCOSE PROFILE IN NORMAL AND DIABETIC WOMEN. Gillmer MD, Beard RW, Brooke FM, Oakley NW *Br Med J* 3: 399-402, 16 Aug 75 (Eng)

CARBOHYDRATE METABOLISM IN PREGNANCY. PART II. RELATION BETWEEN MATERNAL GLUCOSE TOLERANCE AND GLUCOSE METABOLISM IN THE NEWBORN. Anonymous *Br Med J* 3: 402-4, 16 Aug 75 (Eng)

[EFFECT OF INSULIN AND DIABETES ON NON-ESTERIFIED FATTY ACID PLASMA LEVELS IN FETUS AND NEWBORN RAT] Picon L, Irondelle MM, Prudont G *C R Acad Sci [D] (Paris)* 279: 2067-9, 23 Dec 74 (Fre)

HORMONAL REGULATION OF INCORPORATION OF ALANINE-U-14C INTO GLUCOSE IN HUMAN FETAL LIVER EXPLANTS. EFFECT OF DIBUTYRYL CYCLIC AMP, GLUCAGON, INSULIN, AND TRIAMCINOLONE. Schwartz AL, Rall TW *Diabetes* 24: 650-7, Jul 75 (Eng)

DECREASED CYCLIC AMP AND INSULIN RESPONSE TO GLUCOSE IN ISOLATED ISLETS OF NEONATAL RATS. Grill V, Asplund K, Hellerstrom C, Cerasi E *Diabetes* 24: 746-52, Aug 75 (Eng)

TRANSPLANTATION OF THE ISLETS OF LANGERHANS AND THE HISTOCOMPATIBILITY OF ENDOCRINE TISSUE. Barker CF *Diabetes* 24: 766-73, Aug 75 (Eng)

[EDITORIAL: CHILDREN OF DIABETIC MOTHERS] Weitz R, Larson Z, Harefuah 88: 584-5, 15 Jan 75 (Heb)

[THE IMPORTANCE OF THE FIBRINOLYTIC SYSTEM FOR THE DETECTION OF THROMBOSIS SUSCEPTIBILITY] Klockner HP *Folia Haematol (Leipz)* 102: 238-47, 1975 (Ger)

PROTEIN SYNTHESIS AND AMINO ACID ACCUMULATION DURING DEVELOPMENT IN THE RAT: DISSOCIATION OF DIAPHRAGM AND HEART MUSCLE SENSITIVITY TO INSULIN. Asplund K *Horm Res* 6: 12-9, 1975 (Eng)

[DISCUSSION ON PARENTERAL ADMINISTRATION OF DIETARY CARBOHYDRATES] Anonymous *Infusionstherapie* 1: 578-80, Oct 74 (Ger)

SYMPOSIUM II: FETOMATERNAL UNIT IN DIABETES. CLINICAL AND EXPERIMENTAL ASPECTS. FUNCTION OF THE FETAL ENDOCRINE PANCREAS. Asplund K, Andersson A, Jarrousse C, Hellerstrom C *Isr J Med Sci* 11: 581-90, Jan 75 (Eng) [50]

METABOLIC PROFILES IN PREGNANCY. Gillmer MD, Oakley NW, Brooke FM, Beard RW *Isr J Med Sci* 11: 601-8, Jan 75 (Eng)

TREATMENT OF DIABETIC PREGNANCY. Persson B *Isr J Med Sci* 11: 609-16, Jan 75 (Eng)

INTERRELATIONS OF GLUCOSE, INSULIN AND GLUCAGON AFTER OVERNIGHT FAST

AND IN RESPONSE TO ORAL GLUCOSE DURING LATE PREGNANCY. Nitzan M, Freinkel N, Metzger BE, Unger RH, Faloon GR, Daniel RR *Isr J Med Sci* 11: 617-22, Jan 75 (Eng)

DIABETES AND ANTENATAL FETAL DEATH. Salzberger M, Liban E *Isr J Med Sci* 11: 623-8, Jan 75 (Eng)

SIGNIFICANCE OF THE ORAL GLUCOSE TOLERANCE TEST PERFORMED ON THE THIRD DAY AFTER DELIVERY FOR THE DIAGNOSIS OF DIABETES IN PREGNANCY. Salzberger M, Sharon A, Liban E *Isr J Med Sci* 11: 629-31, Jan 75 (Eng)

MATERNAL AND FETAL RESPONSE TO RAPID GLUCOSE LOADING IN PREGNANCY AND LABOR. Zakut H, Mashiach S, Blankstein J, Serr DM *Isr J Med Sci* 11: 632-7, Jan 75 (Eng)

CIRCULATING NSILA-S IN MAN: PRELIMINARY STUDIES OF STIMULI IN VIVO AND OF BINDING TO PLASMA COMPONENTS. Megyesi K, Kahn CR, Roth J, Gorden P *J Clin Endocrinol Metab* 41: 475-84, Sep 75 (Eng)

CELLULAR IMMUNE RESPONSE TO PERIPHERAL NERVE BASIC PROTEIN IN IDIOPATHIC FACIAL PARALYSIS (BELLS Palsy). Abramsky O, Webb C, Teitelbaum D, Aron R *J Neurol Sci* 26: 13-20, Sep 75 (Eng)

[DIGITO-PALMAR DERMATOGLYPHICS OF THE CHILD BORN TO A DIABETIC MOTHER] Leblanc-Pieraert C, Walbaum R, Fontaine G *Lille Med* 20: 188-97, Mar 75 (Fre)

[LABORATORY METHODS AND DIAGNOSTIC PROCEDURES IN DIABETES MELLITUS] Haslbeck M *Med Welt* 26: 1560-6, 5 Sep 75 (Ger)

[DIABETES MELLITUS—PATHOGENESIS AND DIET THERAPY AS A BASIS FOR TREATMENT] Schoffing K *Med Welt* 26: 1567-71, 5 Sep 75 (Ger)

ORIGINAL ARTICLES. Assies J, Schellekens AP, Toubert JL *Neth J Med* 17: 163-73, 1974 (Eng)

CAN THE OXYTOCIN CHALLENGE TEST SERVE AS THE PRIMARY METHOD FOR MANAGING HIGH-RISK PREGNANCIES Hayden BL, Simpson JL, Ewing DE, Otterson WN *Obstet Gynecol* 46: 251-4, Sep 75 (Eng)

GLUCOSE REGULATION BY ISOLATED NEAR TERM FETAL MONKEY LIVER. Glinsmann WH, Eisen HJ, Lynch A, Chez RA *Pediatr Res* 9: 600-4, Jul 75 (Eng)

NATIONAL STATISTICS. Adolstein AM *Postgrad Med J* 51 SUPPL 2: SUPPL 15057-67, 1975 (Eng)

[PRACTICAL POSTGRADUATE COURSE IN DIABETOLOGY (AUTHORS TRANSL.)] Berger W *Praxis* 64: 626-31, 20 May 75 (Ger)

[NON-FUNCTIONING ADRENOCORTICAL CARCINOMA AND FOCAL CHRONIC PYELONEPHRITIS] Yanez AP, Fernandez CJ, Mejias MM, Rojas MT, Velasco FT, Cortina de Luna JL *Rev Clin Esp* 137: 565-70, 30 Jan 75 (Sps)

[PROBLEMS RAISED BY CORTICOID THERAPY IN CHILDREN] Mathieu H *Rev Prat* 25: 1151-8, 11 Mar 75 (Fre)

[THE SIZE OF CHORIONIC VILLI IN THE PLACENTA OF DIABETICS (AUTHORS TRANSL.)] Emmrich P, Muller G *Zentralbl Allg Pathol* 118: 504-9, 1974 (Ger)

SYMPATHO-ADRENAL DEVELOPMENT IN PERINATALLY ADDICTED RATS. Slotkin TA, Anderson TR *Addict Dis* 2: 293-306, 1975 (Eng)

DECREASED CARBOHYDRATE TOLERANCE IN PREGNANT PATIENTS WITH AN EARLY MENARCHE. Loffer FD *Am J Obstet Gynecol* 123: 180-4, 15 Sep 75 (Eng)

[RENAL VEIN THROMBOSIS IN THE NEWBORN INFANT. Demarquez JL, Tavernier J, Babin JP, de Cacqueray C, Auzeerie J, Allain D, Martin C *Arch Fr Pediatr* 32: 381-92, Apr 75 (Fre)

THE EFFECT OF FETAL HYPOPHYSECTOMY ON PLACENTAL BIOSYNTHESIS OF PROGESTERONE IN RHESUS. Hageman FC, Baughman WL, Kittinger GW *Endocrinology* 96: 1059-62, Apr 75 (Eng)

METABOLISM OF THE MOUSE PLACENTA. Galil AK *J Reprod Fertil* 42: 575-8, Mar 75 (Eng)

PLACENTAL PRODUCTION AND FOETAL UTILISATION OF LACTATE AND PYRUVATE. Burd LI, Jones MD Jr, Simmons MA, Makowski EL, Meschia G, Battaglia FC *Nature* 254: 710-1, 24 Apr 75 (Eng)

[MORPHOLOGICAL AND HISTOCHEMICAL ANALYSIS OF ELEMENTS OF THE PLACENTAL BARRIER IN FULL-TERM NEONATE HYPOPHYTHY (AUTHORS TRANSL.)] Kolodziejczyk JW *Probl Med Wieku Rozwoj* 3: 133-63, 1973 (Pol)

PROCEEDINGS: IN-VITRO METABOLISM OF PROSTAGLANDINS IN TISSUES FROM THE PREGNANT HUMAN UTERUS. Keirse MJ, Turnbull AC *J Endocrinol* 64: 18p, Jan 75 (Eng)

ESTROGEN SYNTHESIS BY THE PREGNANT BABOON. Kling OR, Rubin EJ, Townsley JD *J Med Primatol* 1: 102-13, 1972 (Eng)

IMPERMEABILITY OF THE SHEEP PLACENTA TOWARDS ENDOGENOUS PROLACTIN. Alexander DP, Britton HG, Buttle HL, Nixon DA *Res Vet Sci* 14: 271-2, Mar 73 (Eng)

PROTEIN TRANSPORT ACROSS THE PLACENTA. Wild AE *Symp Soc Exp Biol* 521-46, 1974 (Eng) [66]

[CHARACTERISTICS OF THE PLACENTAL MITOCHONDRIA IN WOMEN AT VARIOUS PERIODS OF PHYSIOLOGICAL PREGNANCY] Bulienko SD, Kisilevich RSH, Skvarko SI, Matyniak LG *Ukr Biokhim Zh* 46: 492-5, Jul-Aug 74 (Ukr)

PERFUSION OF THE RABBIT PLACENTA IN SITU, AS AN EXPERIMENTAL MODEL OF THE PLACENTAL TRANSPORT STUDIES. Abuciewicz A, Szyska K *Acta Physiol Pol* 25: 91-5, Jan-Feb 74 (Eng)

PLACENTAL DIFFUSING CAPACITY IN UNANESTHETIZED RABBITS. Rocco E, Bennett TR, Power GG *Am J Physiol* 228: 465-9, Feb 75 (Eng)

[CHORIONIC GONADOTROPIC HORMONE (A REVIEW OF THE LITERATURE)] Maisaia GI, Bakradze GA *Akush Ginekol (Mosk)* 49: 27-30, Apr 73 (Rus)

1.F.7 DIABETES OCCURRENCE, ETIOLOGY AND RELATED TERMS

1.F.7.1 DIABETES, OCCURRENCE

HEMODIALYSIS-RELATED PROBLEMS IN PATIENTS WITH DIABETES MELLITUS. Kaisisieh SD, Yen MC, Lazarus M, Lowrie EG, Goldstein HH, Takacs FJ, Hampers CL, Merrill JD *Kidney Int [Suppl]* 100-7, Oct 74 (Eng)

1.F DIABETES

HOSPITAL MORBIDITY IN THE FIJI ISLANDS WITH SPECIAL REFERENCE TO THE SACCCHARINE DISEASE. Sorokin M *S Afr Med J* 49: 1481-5, 23 Aug 75 (Eng)

DIABETES AND THE HEART. Scott RC *Am Heart J* 90: 283-9, Sep 75 (Eng) [83]

1.F.7.2 DIABETES, ETIOLOGY

[INTERFERING FACTORS AND SOURCES OF ERROR IN THE FUNCTIONAL DIAGNOSIS OF DIABETES MELLITUS] Kuhnau J *Jr Dtsch Med Wochenschr* 100: 1851-3, 12 Sep 75 (Ger)

[LETTER: VIRUS ETIOLOGY OF DIABETES MELLITUS] Mehnert H *Dtsch Med Wochenschr* 100: 1997, 26 Sep 75 (Ger)

DIETARY-FIBER HYPOTHESIS OF THE ETIOLOGY OF DIABETES MELLITUS. Trowell HC *Diabetes* 24: 762-5, Aug 75 (Eng) [39]

[EARLY DIAGNOSIS OF DIABETES IN TUBERCULOSIS] Trpenov I *God Zb Med Fak Skopje* 17: 703-8, 1971 (Ser)

[DIABETES MELLITUS—PATHOGENESIS AND DIET THERAPY AS A BASIS FOR TREATMENT] Schoffling K *Med Welt* 26: 1567-71, 5 Sep 75 (Ger)

[DIABETES MELLITUS AND ITS SEQUELAE. I. PATHOGENESIS OF DIABETES MELLITUS—TODAY] Bibergeil H *Z Gesamte Inn Med* 30: suppl030-2 contd, 15 Apr 75 (Ger)

1.F.7.3 DIABETES, CONGENITAL

1.F.7.4 DIABETES, FAMILIAL AND GENETIC

[GENETIC CHARACTERISTICS AND PECULIARITIES OF CARBOHYDRATE METABOLISM IN HEALTHY SUBJECTS (AUTHORS TRANSL.)] Ksenofontov JP *Bratisl Lek Listy* 64: 30-4, Jul 75 (Slo)

[HYPERLIPIDEMIA AND HYPERLIPOPROTEINEMIA AMONG THE RELATIVES OF DIABETIC PATIENTS] Valek J, Grafnetter D, Slabochova Z, Platilova H *Cas Lek Cech* 114: 837-40, 4 Jul 75 (Cze)

[INFLUENCE OF OVULATION INHIBITORS ON GLUCOSE METABOLISM] Hausmann L, Kalfarnik H *Dtsch Med Wochenschr* 100: 1703-9, 22 Aug 75 (Ger) [59]

AGE-ADJUSTED ANALYSIS OF INSULIN RESPONSES DURING NORMAL AND ABNORMAL GLUCOSE TOLERANCE TESTS IN CHILDREN AND ADOLESCENTS. Rosenbloom AL, Wheeler L, Bianchi R, Chin FT, Tiwary CM, Grgic A *Diabetes* 24: 820-8, Sep 75 (Eng)

SYMPOSIUM IV: DIABETIC SYNDROME IN ANIMALS. INFLUENCE OF GENETIC BACKGROUND ON THE EXPRESSION OF MUTATIONS AT THE DIABETES LOCUS IN THE MOUSE. II. STUDIES ON BACKGROUND MODIFIERS. Coleman DL, Hummel KP *Isr J Med Sci* 11: 708-13, Jul 75 (Eng)

AN ATHEROSCLEROSIS PREVENTION PROGRAM. EVALUATION OF THE FIRST SIX YEARS. Wear RF Jr, Cox ME, Lento HG *J Occup Med* 17: 295-303, May 75 (Eng)

[POLYGENIC (MULTIFACTORIAL) HEREDITY AND INTERPRETATION OF THE GENETIC COMPONENT IN COMMON DISEASES] Moraru I, Antohi S, Imbroane I *Stud Cercet Med Interna* 14: 3-5, 1973 (Rom)

[DIABETES MELLITUS AND ITS SEQUELAE. I. PATHOGENESIS OF DIABETES MELLITUS—TODAY] Bibergeil H *Z Gesamte Inn Med* 30: suppl030-2 contd, 15 Apr 75 (Ger)

[BLOOD GLUCOSE AND IMMUNOREACTIVE INSULIN IN CHILDREN WITH DIABETIC SIBLINGS AND DIABETIC MOTHERS (AUTHORS TRANSL.)] Waldhausl W, Rosenkranz A, Dudczak R *Z Kinderheilkd* 120: 59-68, 1 Jul 75 (Ger)

1.F.7.5 PREDIABETIC STATE

[INFLUENCE OF OVULATION INHIBITORS ON GLUCOSE METABOLISM] Hausmann L, Kalfarnik H *Dtsch Med Wochenschr* 100: 1703-9, 22 Aug 75 (Ger) [59]

[MECHANISM OF ACTION OF GLIQUIDONE (AUTHORS TRANSL.)] Zilker T, Ermler R, Hendekott U, Bottermann P *Dtsch Med Wochenschr* 100: 1733-4, 1739-41, 29 Aug 75 (Ger)

[PERIPHERAL ARTERIAL DISEASE AND DIABETES MELLITUS (AUTHORS TRANSL.)] Jarosch-von Schweder W, Huchermeyer H, Alexander K, Mitzkat HJ *Dtsch Med Wochenschr* 100: 1827-32, 12 Sep 75 (Ger)

[GLUCOSE IN PARENTAL FEEDING] Heuckenkamp PU, Zollner N *Infusionstherapie* 1: 565-8, Oct 74 (Ger)

[DISCUSSION ON PARENTERAL ADMINISTRATION OF DIETARY CARBOHYDRATES] Anonymous *Infusionstherapie* 1: 578-80, Oct 74 (Ger)

DIABETES AND ANTENATAL FETAL DEATH. Salzberger M, Liban E *Isr J Med Sci* 11: 623-8, Jun 75 (Eng)

[PRACTICAL POSTGRADUATE COURSE IN DIABETOLOGY (AUTHORS TRANSL.)] Berger W *Praxis* 64: 626-31, 20 May 75 (Ger)

[PREDIABETIC STATE, DIABETES AND ARTERIOSCLEROSIS] Efendic S, Milentijevic G, Luft R *Srp Arh Celok Lek* 103: 249-55, Apr 75 (Ser)

CHANGES IN CARBOHYDRATE TOLERANCE DURING LONG-TERM ORAL CONTRACEPTION. Posner NA, Silverstone FA, Tobin EH, Breuer J *Am J Obstet Gynecol* 123: 119-27, 15 Sep 75 (Eng)

DECREASED CARBOHYDRATE TOLERANCE IN PREGNANT PATIENTS WITH AN EARLY MENARCHE. Loffer FD *Am J Obstet Gynecol* 123: 180-4, 15 Sep 75 (Eng)

1.F.8 DIABETES, DIAGNOSIS RELATED

1.F.8.1 GLUCOSE TOLERANCE TEST (SEE SEC. 1.E.2)

1.F.8.2 DIABETES, DIAGNOSIS

[POINT-SCORING SYSTEM FACILITATING EVALUATION OF THE ORAL GLUCOSE TOLERANCE TEST] Pav J, Pelant J *Cas Lek Cech* 114: 731-4, 13 Jun 75 (Cze)

[INTERFERING FACTORS AND SOURCES OF ERROR IN THE FUNCTIONAL DIAGNOSIS OF DIABETES MELLITUS] Kuhnau J *Jr Dtsch Med Wochenschr* 100: 1851-3, 12 Sep 75 (Ger)

SUBSTANTIAL DIFFERENCES IN THE DIAGNOSTIC CRITERIA USED BY DIABETES EXPERTS. West KM *Diabetes* 24: 641-4, Jul 75 (Eng)

AGE-ADJUSTED ANALYSIS OF INSULIN RESPONSES DURING NORMAL AND AB-

NORMAL GLUCOSE TOLERANCE TESTS IN CHILDREN AND ADOLESCENTS. Rosenbloom AL, Wheeler L, Bianchi R, Chin FT, Tiwary CM, Grgic A *Diabetes* 24: 820-8, Sep 75 (Eng)

[EARLY DIAGNOSIS OF DIABETES IN TUBERCULOSIS] Trpenov I *God Zb Med Fak Skopje* 17: 703-8, 1971 (Ser)

MANAGEMENT OF JUVENILE DIABETES MELLITUS. Chaney C, Elders MJ *J Arkansas Med Soc* 72: 111-27, Aug 75 (Eng) [50]

GLUCOSE INTOLERANCE IN THE HEMODIALYZED PATIENT: A BRIEF OVERVIEW. Westervelt FB *Jr Kidney Int [Suppl]* 70-2, Oct 74 (Eng) [19]

[LABORATORY METHODS AND DIAGNOSTIC PROCEDURES IN DIABETES MELLITUS] Haslbeck M *Med Welt* 26: 1560-6, 5 Sep 75 (Ger)

[EVALUATION OF WORK CAPACITY IN DIABETICS] Frenkel J, Berber S *Med Pregl* 28: 263-7, 1975 (Ser)

[LIPOATROPHIC DIABETES. REPORT OF A CASE (AUTHORS TRANSL.)] Zollner N, Dorfner H, Wolfram G *Munch Med Wochenschr* 117: 1209-14, 18 Jul 75 (Ger)

[PRACTICAL POSTGRADUATE COURSE IN DIABETOLOGY (AUTHORS TRANSL.)] Berger W *Praxis* 64: 626-31, 20 May 75 (Ger)

[BENIGN DIABETES IN CHILDREN (AUTHORS TRANSL.)] Otto-Buczowska E, Kokot F, Kuska J *Przegl Lek* 32: 641-6, 1975 (Pol)

[COMPUTER-ASSISTED MEDICAL HISTORY SYSTEM AT THE UNIVERSITY OF LIEGE] Houziaux MO *Rev Med Liege* 30: 528-40, 15 Aug 75 (Fre)

[PREOPERATIVE MEDICAL SURVEY AND THE DENTISTS RESPONSIBILITY] Pompians-Miniac L *Rev Odontostomatol (Paris)* 3: 199-205, May 74 (Fre)

[MEASUREMENT OF ORAL PH, A CLINICAL TEST IN CURRENT PRACTICE. DIAGNOSTIC SIGNIFICANCE] Laudembach P, Boumazza M, El-Nabouth S, Khanh-Trinh *Actual Odontostomatol (Paris)* 715-25, Dec 74 (Fre)

CHANGES IN CARBOHYDRATE TOLERANCE DURING LONG-TERM ORAL CONTRACEPTION. Posner NA, Silverstone FA, Tobin EH, Breuer J *Am J Obstet Gynecol* 123: 119-27, 15 Sep 75 (Eng)

[PSYCHODIAGNOSIS OF JUVENILE DIABETES IN THE INITIAL PHASE] Bruni B, Bruni Bocher K, Bossi L, Fenoglio I, Tonso F *Ann Osp Maria Vittoria Torino* 17: 49-100, Jan-Jun 74 (Ita)

1.F.9 DIABETES, THERAPY RELATED

1.F.9.1 DIABETES, PREVENTION AND CONTROL

DIETARY-FIBER HYPOTHESIS OF THE ETIOLOGY OF DIABETES MELLITUS. Trowell HC *Diabetes* 24: 762-5, Aug 75 (Eng) [39]

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: TECHNICAL ASPECTS OF DIALYSIS. Anonymous *Kidney Int [Suppl]* 115-28, Oct 74 (Eng)

PSYCHOLOGICAL PROBLEMS IN LONG-STANDING INSULIN-DEPENDENT DIABETIC PATIENTS. Ack M *Kidney Int [Suppl]* 141-3, Oct 74 (Eng)

Diabetes Literature—Hierarchical Index

1.F DIABETES

RENAL TRANSPLANTATION IN INSULIN-DEPENDENT DIABETIC PATIENTS. Kjellstrand CM, Shideman JR, Simmons RL, Buselmeier TJ, von Hartzisch B, Goetz FC, Najarian JS *Kidney Int* [Suppl] 15-20, Oct 74 (Eng)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: GENERAL TOPICS AND SUMMATION. Anonymous *Kidney Int* [Suppl] 179-86, Oct 74 (Eng)

VISUAL AND VASCULAR PROBLEMS IN DIABETIC PATIENTS. Blagg CR *Kidney Int* [Suppl] 27-31, Oct 74 (Eng)

METABOLIC PROBLEMS IN LONG-STANDING INSULIN-DEPENDENT DIABETIC PATIENTS. Cahill GF Jr *Kidney Int* [Suppl] 47-50, Oct 74 (Eng) [25]

NEUROPATHY IN LONG-STANDING INSULIN-DEPENDENT DIABETIC PATIENTS. Elleberg M *Kidney Int* [Suppl] 77-85, Oct 74 (Eng) [29]

NEUROPATHY IN TRANSPLANTED DIABETIC PATIENTS. Wilson RE, Goldman MH, Yen MC, Kassissieh SD, Strom T, Kahn CB *Kidney Int* [Suppl] 90-4, Oct 74 (Eng)

ORAL HYPOGLYCAEMICS IN DIABETES MELLITUS. Anonymous *Lancet* 2: 489-91, 13 Sep 75 (Eng)

[DIABETES MELLITUS IN CHILDREN AND ADOLESCENTS (THERAPY, PREVENTION)] Vasiukova EA, Kasatkina EP *Sov Med* 52-6, Jun 75 (Rus)

1.F.9.2 DIABETES, NUTRITION AND DIET THERAPY

1.F.9.2.1 OBESITY IN DIABETES

[HYPERLIPIDEMIA AND HYPERLIPIDOPROTEINEMIA AMONG THE RELATIVES OF DIABETIC PATIENTS] Valek J, Grafnetter D, Slabochova Z, Platilova H *Cas Lek Cesk* 114: 837-40, 4 Jul 75 (Cze)

[INFLUENCE OF OVULATION INHIBITORS ON GLUCOSE METABOLISM] Haussmann L, Kafarnik H *Dtsch Med Wochenschr* 100: 1703-9, 22 Aug 75 (Ger) [59]

INSULIN-LIKE INSULINASE-RESISTANT MATERIAL, DISTINGUISHABLE FROM NORMAL INSULIN, IN JUVENILE DIABETES. Crossley JR, Elliott RB *Diabetes* 24: 609-17, Jul 75 (Eng)

EFFECT OF PHYSICAL EXERCISE ON SECRETION OF GROWTH HORMONE, GLUCAGON, AND CORTISOL IN OBESSE AND DIABETIC CHILDREN. Garlaschi C, di Natale B, del Guercio MJ, Caccamo A, Gargantini L, Chiumello G *Diabetes* 24: 758-61, Aug 75 (Eng)

CLINICAL EXPERIENCES ON THERAPEUTIC MEASURES OF OBESITY. Strata A, Zuliani U, Cucurachi L, Dellanna A *G Clin Med* 55: 718-31, Oct 74 (Eng)

[DIABETES MELLITUS—PATHOGENESIS AND DIET THERAPY AS A BASIS FOR TREATMENT] Schoffing K *Med Welt* 26: 1567-71, 5 Sep 75 (Ger)

[DIABETES MELLITUS AND ARTERIAL HYPERTENSION (AUTHORS TRANSL)] Vernet A, Fabre J, Merier G *Praxis* 64: 583-8, 13 May 75 (Fre)

[SURVEILLANCE OF THE DIABETIC] Moynade S, Eskenazi F *Sem Hop Ther* 51: 37-40, Jun 75 (Fre)

EDITORIAL: CURRENT UNDERSTANDING OF PATHOGENESIS OF OBESITY. Fiser RH Jr, Fisher DA *South Med J* 68: 931-3, Aug 75 (Eng)

[MODERN THERAPY OF DIABETES MELLITUS IN OBSE PATIENTS] Liashko KA, Severova TM, Peregodov Ala, Sergeev OI *Sov Med* 106-10, Jun 75 (Rus)

[SIGNIFICANCE OF THE OBESITY RISK FACTOR IN OLD AGE] Ries W *Z Alternsforsch* 28: 145-52, 1974 (Ger)

DIABETES AND THE HEART. Scott RC *Am Heart J* 90: 283-9, Sep 75 (Eng) [83]

1.F.9.2.2 GLUCOSE, THERAPEUTIC USE

LETTER: GLIBENCLAMIDE-INDUCED HYPOGLYCAEMIA. Silence DO, Court JM *Br Med J* 3: 490-1, 23 Aug 75 (Eng)

[SIGNIFICANCE OF LIPID METABOLISM IN SURGICAL DISEASES] Stremmel W *Infusionstherapie* 1: 238-43, Feb 74 (Ger)

[LACTIC ACIDOSIS TREATED WITH GLUCOSE AND INSULIN] Brubakk O, Hopen G *Tidsskr Nor Lægeforen* 95: 1412-3, 10 Sep 75 (Nor)

1.F.9.2.3 DIET

[INFLUENCE OF DIET, CORTISONE AND INSULIN ON VARIATIONS IN ENZYME ACTIVITY OF PYRUVATE CARBOXYLASE (EC 6.4.1.1) AND PHOSPHOENOLPYRUVATE CARBOXYKINASE (EC 4.1.1.32) IN RAT LIVER] Peret J, Chanez M *C R Acad Sci [D] (Paris)* 279: 2095-8, 23 Dec 74 (Fre)

[NN-DIMETHYLBIGUANIDE ATTENUATES THE LIPID DISORDERS OF RATS ON AN ATHEROGENIC DIET] Esteve B, Marquie G, Agid R *C R Acad Sci [D] (Paris)* 280: 2465-8, 2 Jun 75 (Fre)

CLINICAL EXPERIENCES ON THERAPEUTIC MEASURES OF OBESITY. Strata A, Zuliani U, Cucurachi L, Dellanna A *G Clin Med* 55: 718-31, Oct 74 (Eng)

HYPERINSULINEMIA, INSULIN RESISTANCE AND CATARACT FORMATION IN SAND RATS. Gutman A, Andreus A, Adler JH *Jr Int J Med Sci* 11: 714-22, Jul 75 (Eng)

INSULIN RECEPTOR EFFICIENCY IN GENETIC AND ACQUIRED OBESITY. Soli AH, Kahn CR, Neville DM Jr, Roth J *J Clin Invest* 56: 769-80, Oct 75 (Eng)

EFFECT OF WEIGHT REDUCTION ON INSULIN RESPONSIVENESS AND TRIGLYCERIDE LEVELS IN PATIENTS WITH ENDOGENOUS HYPERTRIGLYCERIDAEMIA. De Vries O, Sluiter WJ, Reitsma WD, Doorenbos H *Neth J Med* 17: 212-19, 1974 (Eng)

[SURVEILLANCE OF THE DIABETIC] Moynade S, Eskenazi F *Sem Hop Ther* 51: 37-40, Jan 75 (Fre)

[KARYOMETRIC STUDIES OF THE PANCREAS AND ADRENAL GLANDS OF THE ALBINO-RAT FED AN UNBALANCED GLUCOSE DIET OR A GLUCOSE DIET SUPPLEMENTED WITH THIAMINE] Hildebrand R *Anat Anz* 137: 187-95, 1975 (Ger)

EFFECTS OF CLOFIBRATE AND A FAT-MODIFIED DIET ON SERUM LIPIDS. Brown HB, Lewis LA, Page IH *Clin Pharmacol Ther* 17: 171-8, Feb 75 (Eng)

REVERSIBILITY OF ATHEROSCLEROSIS. Adams CW *Guys Hosp Rep* 122: 327-30, 1973 (Eng)

COMPOSITION OF DIETS CONTAINING 25 AND 35 PER CENT CALORIES FROM FAT. ANALYZED VS. CALCULATED VALUES. Marshall MW, Iacono JM, Young CW Jr,

Washington VA, Slover HT, Leapley PM *J Am Diet Assoc* 66: 470-81, May 75 (Eng)

LONGITUDINAL STUDY OF AGE AND COHORT INFLUENCES ON DIETARY PATTERNS. Garcia PA, Battese GE, Brewer WD *J Gerontol* 30: 349-56, May 75 (Eng)

THE ROLE OF LIPID IN THE PATHOGENESIS OF ATHEROSCLEROSIS. Stehbens WE *Lancet* 1: 724-7, 29 Mar 75 (Eng)

LETTER: ABSENCE OF EFFECT OF BRAN ON BLOOD-LIPIDS. Truswell AS, Kay RM *Lancet* 1: 922-3, 19 Apr 75 (Eng)

DEVELOPMENT OF HYPERBETALOPROTEINEMIA IN PIGS FED ATHEROGENIC DIET. Hill EG, Silbernack CL *Lipids* 10: 41-3, Jan 75 (Eng)

[LETTER: RESTRICTION OF FAT OR CARBOHYDRATES IN REDUCING DIET] Mehnert H *Med Klin* 70: 488, 14 Mar 75 (Ger)

PLASMA LIPIDS AND LIPOPROTEINS IN VEGETARIANS AND CONTROLS. Sacks FM, Castelli WP, Donner A, Kass EH *N Engl J Med* 292: 1148-51, 29 May 75 (Eng)

PROCEEDINGS: THE EFFECTS OF CAFFEINE AND CARNITINE ON THE OXYGEN CONSUMPTION OF FED AND FASTED SUBJECTS. Miller DS, Stock MJ, Stuart JA *Proc Nutr Soc* 33: 28a-29a, Sep 74 (Eng)

EFFICIENCY OF ENERGY UTILIZATION BY THE ZUCKER HEREDITARILY OBSE RAT FATTY (38569). Zucker LM *Proc Soc Exp Biol Med* 148: 498-500, Feb 75 (Eng)

CHOLESTEROL BALANCE IN ATHEROSCLEROSIS-SUSCEPTIBLE ATHEROSCLEROSIS-RESISTANT PIGEONS. Siekert RG, Dicke BA, Subbiah MT, Kottke BA *Res Commun Chem Pathol Pharmacol* 10: 181-4, Jan 75 (Eng)

SCANNING ELECTRON MICROSCOPIC OBSERVATIONS OF ENDOTHELIAL CHANGES IN EXPERIMENTALLY INDUCED ATHEROMATOSIS OF RABBIT AORTAS. de Bruijn WC, van Mourik W *Virchows Arch [Pathol Anat]* 365: 23-40, 1975 (Eng)

GLUCOSE UPTAKE IN THE BRAINSTEM OF THIAMINE-DEFICIENT RATS. Robertson DM, Manz HJ, Haas RA, Meyers N *Am J Pathol* 79: 107-18, Apr 75 (Eng)

[INFLUENCE OF THE SUPPLEMENTATION OF RATION WITH CONJUGATED BILIARY SALTS ON THE EQUIPMENT AND BILIARY ACIDS OF THE SMALL INTESTINE IN THE RAT. MODIFICATIONS OF THE APPARENT ABSORPTION OF FATTY ACIDS] Demarne Y, Sacquet E, Van Heijenoort Y, Mathis C *Ann Biol Anim Biochim Biophys* 14: 239-50, 1974 (Fre)

EVIDENCE AGAINST A MEDIATORY ROLE OF BROWN ADIPOSE TISSUE IN THE CALORIGENIC RESPONSE OF COLD-ACCLIMATED RATS TO NORADRENALINE. Foster DO *Can J Physiol Pharmacol* 52: 1051-62, Dec 74 (Eng)

ARTERIAL LYOSOMES AND CONNECTIVE TISSUE IN PRIMATE ATHEROSCLEROSIS AND HYPERTENSION. Wolinsky H, Goldfischer S, Daly MM, Kasak LE, Colloff-Schiller B *Circ Res* 36: 553-61, Apr 75 (Eng)

[CONTRIBUTION TO A STUDY OF A NEW LIPOLYTIC AND ANORECTIC DRUG: FENPROPOREX (AUTHORS TRANSL)] Najera Mortes J *Folia Clin Int (Barc)* 23: 134-51, Feb 73 (Spa)

EFFECTS OF DIET AND EXERCISE ON CATECHOLAMINE EXCRETION. Sonka J, Kopecka J, Pavlova A, Zbirikova A, Stas J *J Horm Metab Res* 6: 532, Nov 74 (Eng)

Diabetes Literature—Hierarchical Index

1.F DIABETES

- [THE INFLUENCE OF ATHEROGENIC DIET AND COUMARIN ON THE ACCUMULATION OF TOTAL FATS AND CHOLESTEROL IN THE COMBS OF COCKS (AUTHORS TRANSL.) Rucinski T, Kadziolka A, Ziolo T *Ann Univ Mariae Curie Skłodowska [Med]* 27: 115-22, 1972 (Pol)
- [THE INFLUENCE OF COUMARIN ON THE FAT OF PLASMA OF COCKS FED ON AN ATHEROGENIC DIET (AUTHORS TRANSL.) Kdziolka A, Patyra S, Rucinski T, Kostarz T *Ann Univ Mariae Curie Skłodowska [Med]* 27: 123-9, 1972 (Pol)
- #### 1.F.9.2.4 DIABETIC DIET
- TREATMENT OF DIABETIC PREGNANCY. Persson B *Isr J Med Sci* 11: 609-16, Jun 75 (Eng)
- [SURVEILLANCE OF THE DIABETIC] Moïnade S, Eskenazi F *Sem Hop Ther* 51: 37-40, Jan 75 (Fre)
- #### 1.F.9.2.5 DIETARY CARBOHYDRATES
- DIETARY-FIBER HYPOTHESIS OF THE ETIOLOGY OF DIABETES MELLITUS. Trowell HC *Diabetes* 24: 762-5, Aug 75 (Eng) [39]
- [UTILIZATION OF CARBOHYDRATES IN STRESS SITUATIONS] Gesser CA *Infusionstherapie* 1: 215-9, Feb 74 (Ger)
- [GLUCOSE IN PARENTERAL FEEDING] Heuckenkamp PU, Zollner N *Infusionstherapie* 1: 565-8, Oct 74 (Ger)
- [DISCUSSION ON PARENTERAL ADMINISTRATION OF DIETARY CARBOHYDRATES] Anonymous *Infusionstherapie* 1: 578-80, Oct 74 (Ger)
- HYPERLIPIDEMIA AND HEPATIC HYPERLIPOGENESIS IN SPINY MICE (ACOMYS CAHIRINUS) ON CARBOHYDRATE DIETS: RELATIONSHIP TO PERIPHERAL UNDER-RESPONSIVENESS AND LOW INSULIN RELEASE. Shafir E, Benchinol A, Orevi M *Isr J Med Sci* 11: 738-52, Jul 75 (Eng)
- EFFECTS OF CARBOHYDRATE-FREE DIETS ON THE INSULIN-CARBOHYDRATE RELATIONSHIPS IN RATS. Carmel N, Konijn AM, Kaufman NA, Guggenheim K *J Nutr* 105: 1141-9, Sep 75 (Eng)
- EFFECT OF PANCREATCTOMY OR ADRENALECTOMY ON THE RESPONSES OF RATS TO MEAL-FEEDING. Kaul L, Berdanier CD *J Nutr* 105: 1176-85, Sep 75 (Eng)
- ENDOCRINOLOGY AND METABOLISM IN UREMIA AND DIALYSIS: A CLINICAL REVIEW. Feldman HA, Singer I *Medicine (Baltimore)* 54: 345-76, Sep 75 (Eng)
- MECHANISM OF HYPOGLYCAEMIA IN A PATIENT WITH MESENCHYMAL TUMOUR. Meinders AE, Smit EM, Cejka V, Braat MC *Neth J Med* 17: 227-33, 1974 (Eng)
- HOSPITAL MORBIDITY IN THE FIJI ISLANDS WITH SPECIAL REFERENCE TO THE SACCHARINE DISEASE. Sorokin M *S Afr Med J* 49: 1481-5, 23 Aug 75 (Eng)
- DIABETES AND THE HEART. Scott RC *Am Heart J* 90: 283-9, Sep 75 (Eng) [83]
- TYPE V HYPERLIPOPROTEINAEMIA REVISITED: FINDINGS IN A SYDNEY POPULATION. Simons LA, Williams PF, Turtle JR *Aust NZ J Med* 5: 210-9, Jun 75 (Eng)
- COMPOSITION OF DIETS CONTAINING 25 AND 35 PER CENT CALORIES FROM FAT. ANALYZED VS. CALCULATED VALUES. Marshall MW, Iacono JM, Young CW Jr, Washington VA, Slover HT, Leapley PM *J Am Diet Assoc* 66: 470-81, May 75 (Eng)
- LONGITUDINAL STUDY OF AGE AND COHORT INFLUENCES ON DIETARY PATTERNS. Garcia PA, Battese GE, Brewer WD *J Gerontol* 30: 349-56, May 75 (Eng)
- [LETTER: RESTRICTION OF FAT OR CARBOHYDRATES IN REDUCING DIET] Mehnert H *Med Klin* 70: 488, 14 Mar 75 (Ger)
- PLASMA LIPIDS AND LIPOPROTEINS IN VEGETARIANS AND CONTROLS. Sacks FM, Castelli WP, Donner A, Kass EH *N Engl J Med* 292: 1148-51, 29 May 75 (Eng)
- SUCROSE, STARCH AND HYPERLIPIDEMIA. Anonymous *Nutr Rev* 33: 44-5, Feb 75 (Eng)
- [STUDIES UPON THE EFFECT OF AGE AND NUTRITIONAL FACTORS ON LIPID AND PROTEIN METABOLISM IN INFANTS (AUTHORS TRANSL.) Gornicki B, Litwin E, Krukowa A, Kleczkowska H, Rodkiewicz B, Kowalczyk Z, Dzieniszewska L, Wachnik Z, Symonowicz H *Probl Med Wieku Rozwoj* 1: 33-70, 1972 (Pol)
- PROCEEDINGS: EFFECT OF FEEDING WITH SUCROSE AND OTHER CARBOHYDRATES ON PLATELET FUNCTION IN RATS. McGregor L *Proc Nutr Soc* 33: 23a-24a, Sep 74 (Eng)
- PROCEEDINGS: THE EFFECT OF A HIGH-CARBOHYDRATE DIET ON SKIN LIPOGENESIS IN THE RAT. Rebello T, MacDonald I *Proc Nutr Soc* 33: 52a-53a, Sep 74 (Eng)
- STUDIES OF GASTROINTESTINAL INTERACTIONS. VII. CHARACTERISTICS OF THE ABSORPTION PATTERN OF SUGAR, FAT AND PROTEIN FROM COMPOSITE MEALS IN MAN. A QUANTITATIVE STUDY. Johansson C *Scand J Gastroenterol* 10: 33-42, 1975 (Eng)
- DIETARY SUCROSE IN RELATION TO THE DEVELOPMENT OF ISCHEMIC HEART DISEASE. Opie LH *Am Heart J* 89: 674-5, May 75 (Eng)
- INCREASED RATE OF ALCOHOL REMOVAL FROM BLOOD WITH ORAL FRUCTOSE AND SUCROSE. Soterakis J, Iber FL *Am J Clin Nutr* 28: 254-7, Mar 75 (Eng)
- #### 1.F.9.2.6 DIETARY FATS
- [NN-DIMETHYLBIGUANIDE ATTENUATES THE LIPID DISORDERS OF RATS ON AN ATHEROGENIC DIET] Esteve B, Marquie G, Agid R *C R Acad Sci [D]* (Paris) 280: 2465-8, 2 Jun 75 (Fre)
- PLASMA LIPID LEVELS IN DIABETIC CHILDREN. EFFECT OF DIET RESTRICTED IN CHOLESTEROL AND SATURATED FATS. Kaufmann RL, Assal JPH, Soeldner JS, Wilmschurst EG, Lemaire JR, Gleason RE, White P *Diabetes* 24: 672-9, Jul 75 (Eng)
- [LIPIDS IN PARENTERAL FEEDING] Hartmann G *Infusionstherapie* 1: 516-8, Oct 74 (Ger)
- [UTILIZATION OF FAT EMULSIONS IN THE PARENTERAL FEEDING OF MAN] Eckart J *Infusionstherapie* 1: 521-9, Oct 74 (Ger)
- GASTRIC INHIBITORY POLYPEPTIDE (GIP) STIMULATED BY FAT INGESTION IN MAN. Falko JM, Crockett SE, Cataland S, Mazzaferri EL *J Clin Endocrinol Metab* 41: 260-5, Aug 75 (Eng)
- EFFECTS OF CARBOHYDRATE-FREE DIETS ON THE INSULIN-CARBOHYDRATE RELATIONSHIPS IN RATS. Carmel N, Konijn AM, Kaufman NA, Guggenheim K *J Nutr* 105: 1141-9, Sep 75 (Eng)
- EFFECT OF PANCREATCTOMY OR ADRENALECTOMY ON THE RESPONSES OF RATS TO MEAL-FEEDING. Kaul L, Berdanier CD *J Nutr* 105: 1176-85, Sep 75 (Eng)
- HORMONE ACTION AND MEMBRANE FLUIDITY: EFFECT OF INSULIN AND CORTISOL ON THE HILL COEFFICIENTS OF RAT ERYTHROCYTE MEMBRANE-BOUND ACETYLCHOLINESTERASE AND (NA& & K&)-ATPASE. Massa EM, Morero RD, Bloj B, Farias RN *Biochem Biophys Res Commun* 66: 115-22, 2 Sep 75 (Eng)
- EFFECTS OF CLOFIBRATE AND A FAT-MODIFIED DIET ON SERUM LIPIDS. Brown HB, Lewis LA, Page IH *Clin Pharmacol Ther* 17: 171-8, Feb 75 (Eng)
- THE EFFECT OF ESSENTIAL FATTY ACIDS DEFICIENCY ON THE NITROGEN METABOLISM OF RATS. al-Nagdy SA, al-Gauhari AA, el-Sabbagh ME, Elise EA *Comp Biochem Physiol* [A] 47: 835-43, 1 Mar 74 (Eng)
- EFFECT OF FAT FEEDING ON COMPLEX LIPID SYNTHESIS IN HAMSTER INTESTINE. Mansbach CM *Gastroenterology* 68: 708-14, Apr 75 (Eng)
- REVERSIBILITY OF ATHEROSCLEROSIS. Adams CW *Guys Hosp Rep* 122: 327-30, 1973 (Eng)
- PHARYNGEAL LIPASE AND DIGESTION OF DIETARY TRIGLYCERIDE IN MAN. Hamosh M, Klaveman HL, Wolf RO, Scow RO *J Clin Invest* 55: 908-13, May 75 (Eng)
- HUMAN ADIPOCYTE CHOLESTEROL CONCENTRATION, LOCALIZATION, SYNTHESIS, AND TURNOVER. Schreibman PH, Dell RB *J Clin Invest* 55: 986-93, May 75 (Eng)
- COMPOSITION OF DIETS CONTAINING 25 AND 35 PER CENT CALORIES FROM FAT. ANALYZED VS. CALCULATED VALUES. Marshall MW, Iacono JM, Young CW Jr, Washington VA, Slover HT, Leapley PM *J Am Diet Assoc* 66: 470-81, May 75 (Eng)
- LONGITUDINAL STUDY OF AGE AND COHORT INFLUENCES ON DIETARY PATTERNS. Garcia PA, Battese GE, Brewer WD *J Gerontol* 30: 349-56, May 75 (Eng)
- THE ROLE OF LIPID IN THE PATHOGENESIS OF ATHEROSCLEROSIS. Stehbens WE *Lancet* 1: 724-7, 29 Mar 75 (Eng)
- SYNTHESIS OF PROSTAGLANDINS IN PLATELETS OF HYPERCHOLESTEROLEMIC RABBITS. Srivastava KC *Lipids* 10: 57-9, Jan 75 (Eng)
- [LETTER: RESTRICTION OF FAT OR CARBOHYDRATES IN REDUCING DIET] Mehnert H *Med Klin* 70: 488, 14 Mar 75 (Ger)
- [THE ACTION OF BETA-SITOSTEROL ON THE METABOLISM OF CHOLESTEROL (AUTHORS TRANSL.) Weizel A *Med Klin* 70: 242-6, 7 Feb 75 (Ger)]
- [STUDIES UPON THE EFFECT OF AGE AND NUTRITIONAL FACTORS ON LIPID AND PROTEIN METABOLISM IN INFANTS (AUTHORS TRANSL.) Gornicki B, Litwin E, Krukowa A, Kleczkowska H, Rodkiewicz B, Kowalczyk Z, Dzieniszewska L, Wachnik Z, Symonowicz H *Probl Med Wieku Rozwoj* 1: 33-70, 1972 (Pol)]
- [STUDIES ON THE EFFECT OF MODE OF NUTRITION ON SOMATIC DEVELOPMENT OF INFANTS. COMMUNICATION II. DEVELOPMENT OF SUBCUTANEOUS FATTY TISSUE IN INFANTS (AUTHORS TRANSL.) Gornicki B, Dzieniszewska-Klepcka L, Litwin E *Probl Med Wieku Rozwoj* 2: 27-43, 1972 (Pol)]

Diabetes Literature—Hierarchical Index

1.F DIABETES

STUDIES OF GASTROINTESTINAL INTERACTIONS. VII. CHARACTERISTICS OF THE ABSORPTION PATTERN OF SUGAR, FAT AND PROTEIN FROM COMPOSITE MEALS IN MAN. A QUANTITATIVE STUDY. Johansson C *Scand J Gastroenterol* 10: 33-42, 1975 (Eng)

STUDIES ON THE ABSORPTION AND METABOLISM OF PHYLLOQUINONE (VITAMIN K1) IN MAN. Shearer MJ, McBurney A, Barkhan P *Vitam Horm* 32: 513-42, 1974 (Eng) [34]

UPTAKE, OXIDATION, AND ESTERIFICATION OF FREE FATTY ACIDS IN NORMAL AND ATHEROSCLEROTIC RABBIT AORTA. Morrison ES, Scott RF, Kroms M, Frick J *Biochem Med* 11: 153-64, Oct 74 (Eng)

THE EFFECT OF DIETARY LIPIDS ON LIPOLYSIS IN RAT ADIPOSE TISSUE. Larking PW, Nye ER *Br J Nutr* 33: 291-7, Mar 75 (Eng)

[METABOLIC RESPONSE TO NEW LIPID-LOWERING DIET (AUTHORS TRANSL)] Valek J, Kuhn E, Pecar J, Storkova H *Ceska Lek* 113: 647-50, 31 May 74 (Cze)

[CHANGES IN THE LIPOLYTIC ACTIVITY OF THE ARTERIAL WALL IN ALBINO RATS I. EFFECT OF ANIMAL AND VEGETABLE FATS] Mitkov D, Milenkov H *Folia Med (Plovdiv)* 10: 359-62, 1968 (Bul)

EFFECT OF HIGH AMBIENT TEMPERATURE AND LOW HUMIDITY ON NUTRIENT UTILIZATION AND ON SOME PHYSIOLOGICAL RESPONSES IN AWASI SHEEP FEED DIFFERENT LEVELS OF ROUGHAGE. Bhattacharya AN, Uwayjan M *J Anim Sci* 40: 320-8, Feb 75 (Eng)

[FACTORS REGULATING FREE FATTY ACID BLOOD LEVELS DURING POSTPRANDIAL LIPEMIA] Paluszak J *Pol Tyg Lek* 30: 531-2, 24 Mar 75 (Pol)

INFLUENCE OF NUTRITIONAL CHANGES ON LIPOPROTEIN LIPASE ACTIVITY. II: THE EFFECT OF HIGH FAT INTAKE ON LEVELS OF ENZYME OF RAT ADIPOSE TISSUE. Ribeiro LP, Schettino CM, Affonso OR, Mitidieri E *Rev Bras Biol* 31: 219-23, Jun 71 (Eng)

RELATIVE RATES OF METABOLISM MCT, LCT AND ETHANOL IN MAN. Iher FL *Z Ernährungswiss [Suppl]* 9-16, 1974 (Eng)

1.F.9.2.7 CYCLAMATES

1.F.9.2.8 SACCHARIN

EDITORIAL: SAFETY OF SACCHARIN--THE PRESENT STATUS. Anonymous *Ceylon Med J* 19: 129-30, Dec 74 (Eng)

1.F.9.3 DIABETES, INSULIN AND THERAPY

1.F.9.3.1 INSULIN, ADMINISTRATION AND DOSAGE

CARRIER SOLUTIONS FOR LOW-LEVEL INTRAVENOUS INSULIN INFUSION. Kraegen EW, Lazarus L, Meler H, Campbell L, Chia YO *Br Med J* 3: 464-6, 23 Aug 75 (Eng)

A SPOONFUL OF SUGAR - TRANS-ALVEOLAR NUTRITION. Hewson JR, Holland AJ *Can Anaesth Soc J* 22: 539-46, Sep 75 (Eng)

[LETTER: LOW-DOSE INSULIN THERAPY IN DIABETIC COMA: DOCUMENTATION OF RESULTING INSULIN LEVELS] Berger M, Cuppers HJ, Berchtold P, Zimmermann H *Dtsch Med Wochenschr* 100: 1995-6, 26 Sep 75 (Ger)

METABOLIC RHYTHMS IN NORMAL AND DIABETIC MAN. STUDIES IN INSULIN-TREATED DIABETES. Alberti KG, Dornhorst A, Rowe AS *Isr J Med Sci* 11: 571-80, Jun 75 (Eng)

ADMINISTRATION OF GLUCOSE-INSULIN-POTASSIUM SOLUTION (GIK) AND VALVE REPLACEMENT IN PATIENTS WITH ADVANCED VALVULAR DISEASE. Asano K, Sakashita I, Ando T *J Cardiovasc Surg (Torino)* SPEC NO: 370-3, 1975 (Eng)

HEMODIALYSIS-RELATED PROBLEMS IN PATIENTS WITH DIABETES MELLITUS. Kaissis SD, Yen MC, Lazarus M, Lowrie EG, Goldstein HH, Takacs FJ, Hampers CL, Merrill JD *Kidney Int [Suppl]* 100-7, Oct 74 (Eng)

NEUROPATHY IN TRANSPLANTED DIABETIC PATIENTS. Wilson RE, Goldman MH, Yen MC, Kaissis SD, Strom T, Kahn CB *Kidney Int [Suppl]* 90-4, Oct 74 (Eng)

LETTER: SMALL INTRAVENOUS INSULIN BOLUSES IN THE TREATMENT OF DIABETIC COMA. Clumeck N, Detroyer A, Naeije R, Ectors M, Balasse EO *Lancet* 2: 416, 30 Aug 75 (Eng)

LETTER: INTRAVENOUS INSULIN BOLUSES IN TREATMENT OF DIABETIC COMA. Alberti KG *Lancet* 2: 547-8, 20 Sep 75 (Eng)

LETTER: CLINICAL ASPECTS OF MONOCOMPONENT INSULIN IN DIABETES. Vinik AI, Jackson WP *Lancet* 2: 5488, 20 Sep 75 (Eng)

ERRORS IN INSULIN DOSES DUE TO THE DESIGN OF INSULIN SYRINGES. Shainfield FJ *Pediatrics* 56: 302-3, Aug 75 (Eng)

[ENCEPHALOPATHY DUE TO PROTRACTED HYPOGLYCEMIC COMA DURING LOW-DOSE INSULIN THERAPY] Cecchini S, del Greco V *Riv Neurol* 18: 55-64, Jan-Mar 72 (Ita)

[SMALL DOSES OF INTRAMUSCULAR INSULIN IN TREATMENT OF DIABETIC COMA] Reinholdsen J *Tidsskr Nor Laegeforen* 95: 1413-4, 10 Sep 75 (Nor)

[TREATMENT OF SEVERE DIABETIC KETOACIDOSIS WITH CONTINUOUS INTRAVENOUS INFUSION OF LOW DOSES OF INSULIN] Anonymous *Tidsskr Nor Laegeforen* 95: 1415-6, 10 Sep 75 (Nor)

[PROGRESS IN THE TREATMENT OF DIABETIC COMA] Aarseth S *Tidsskr Nor Laegeforen* 95: 1426-7, 10 Sep 75 (Nor)

INSULIN--THE SIPHON REGULATOR. Bargman GJ *Wis Med J* 74: 93-4, Aug 75 (Eng)

1.F.9.3.2 INSULIN, THERAPEUTIC USE

[LETTER: LOW-DOSE INSULIN THERAPY IN DIABETIC COMA: DOCUMENTATION OF RESULTING INSULIN LEVELS] Berger M, Cuppers HJ, Berchtold P, Zimmermann H *Dtsch Med Wochenschr* 100: 1995-6, 26 Sep 75 (Ger)

ANTIGENICITY OF MONOCOMPONENT PORK INSULIN IN DIABETIC SUBJECTS. Yue DK, Turtle JR *Diabetes* 24: 625-32, Jul 75 (Eng)

OBSERVATIONS ON SODIUM RETENTION RELATED TO INSULIN TREATMENT OF EXPERIMENTAL DIABETES. Blumenthal SA *Diabetes* 24: 645-9, Jul 75 (Eng)

GLUCAGON RESPONSE TO ARGININE AFTER TREATMENT OF DIABETES MELLITUS. Ohneda A, Ishii S, Horigome K, Yamagata S *Diabetes* 24: 811-9, Sep 75 (Eng)

FACITIAL PANNICULITIS AND NECROTIZING FASCITIS IN JUVENILE DIABETES. Oh

C, Ginsberg-Fellner F, Dolger H *Diabetes* 24: 856-8, Sep 75 (Eng)

[SIGNIFICANCE OF LIPID METABOLISM IN SURGICAL DISEASES] Stremmel W *Infusionstherapie* 1: 238-43, Feb 74 (Ger)

METABOLIC RHYTHMS IN NORMAL AND DIABETIC MAN. STUDIES IN INSULIN-TREATED DIABETES. Alberti KG, Dornhorst A, Rowe AS *Isr J Med Sci* 11: 571-80, Jun 75 (Eng)

TREATMENT OF DIABETIC PREGNANCY. Persson B *Isr J Med Sci* 11: 609-16, Jun 75 (Eng)

MANAGEMENT OF JUVENILE DIABETES MELLITUS. Chaney C, Elders MJ *J Arkansas Med Soc* 72: 111-27, Aug 75 (Eng) [50]

MAINTENANCE DIALYSIS FOR DIABETIC NEPHROPATHY WITH UREMIA. Huang C, del Greco F, Ivanovich P, Krumlovsky FA, Roguska J, Simon NM, Hano J *J Chronic Dis* 28: 365-74, Aug 75 (Eng)

[2 CASES OF LOW CARDIAC OUTPUT SYNDROME EFFECTIVELY TREATED WITH INSULIN] Okada K, Ko H, Tochichi H, Iwabuchi T, Kaneda M *Jpn J Anesthesiol* 24: 621-4, Jun 75 (Jpn)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: TECHNICAL ASPECTS OF DIALYSIS. Anonymous *Kidney Int [Suppl]* 115-28, Oct 74 (Eng)

PSYCHOLOGICAL PROBLEMS IN LONG-STANDING INSULIN-DEPENDENT DIABETIC PATIENTS. Ack M *Kidney Int [Suppl]* 141-3, Oct 74 (Eng)

RENAL TRANSPLANTATION IN INSULIN-DEPENDENT DIABETIC PATIENTS. Kjellstrand CM, Shideman JR, Simmons RL, Buselmeier TJ, von Haritzsch B, Goetz FC, Najarian JS *Kidney Int [Suppl]* 15-20, Oct 74 (Eng)

VISUAL AND VASCULAR PROBLEMS IN DIALYZED DIABETIC PATIENTS. Blagg CR *Kidney Int [Suppl]* 27-31, Oct 74 (Eng)

METABOLIC PROBLEMS IN LONG-STANDING INSULIN-DEPENDENT DIABETIC PATIENTS. Cahill GF Jr *Kidney Int [Suppl]* 47-50, Oct 74 (Eng) [25]

NUTRITIONAL AND METABOLIC PROBLEMS IN THE DIALYZED PATIENT WITH DIABETES MELLITUS. Comty CM, Leonard A, Shapiro FL *Kidney Int [Suppl]* 51-7, Oct 74 (Eng)

METABOLIC PROBLEMS IN DIABETIC PATIENTS UNDERGOING RENAL TRANSPLANTATION. Palumbo PJ, Woods JE, Johnson WJ, Service FJ *Kidney Int [Suppl]* 58-62, Oct 74 (Eng)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: METABOLIC COMPLICATIONS. Anonymous *Kidney Int [Suppl]* 73-6, Oct 74 (Eng)

NEUROPATHY IN LONG-STANDING INSULIN-DEPENDENT DIABETIC PATIENTS. Elleberg M *Kidney Int [Suppl]* 77-85, Oct 74 (Eng) [29]

NEUROPATHY IN TRANSPLANTED DIABETIC PATIENTS. Wilson RE, Goldman MH, Yen MC, Kaissis SD, Strom T, Kahn CB *Kidney Int [Suppl]* 90-4, Oct 74 (Eng)

LETTER: SMALL INTRAVENOUS INSULIN BOLUSES IN THE TREATMENT OF DIABETIC COMA. Clumeck N, Detroyer A, Naeije R, Ectors M, Balasse EO *Lancet* 2: 416, 30 Aug 75 (Eng)

LETTER: INTRAVENOUS INSULIN BOLUSES IN TREATMENT OF DIABETIC COMA. Alberti KG *Lancet* 2: 547-8, 20 Sep 75 (Eng)

Diabetes Literature—Hierarchical Index

1.F DIABETES

[MODERN DRUG THERAPY OF DIABETES MELLITUS] Mehnert H *Med Welt* 26: 1571-6, 5 Sep 75 (Ger)

[CURRENT POSSIBILITIES AND PERSPECTIVES IN THE DEVELOPMENT AND TREATMENT OF DIABETES MELLITUS] Leptanovic R, Kovac T *Med Pregl* 28: 233-40, 1975 (Ser)

INSULIN ANTIBODY FORMATION DURING LONG-TERM TREATMENT WITH MONOCOMPONENT AND MONOSPECIES INSULIN. Piers DA, Sluiter WJ, Reitsma WD, Doorenbos H *Neth J Med* 17: 234-8, 1974 (Eng)

[EFFECT OF INSULIN ON THE NUCLEIC ACID LEVELS IN THE BLOOD OF PATIENTS WITH DIABETES MELLITUS] Franchuk MM *Ter Arkh* 47: 132-4, 1975 (Rus)

[LACTIC ACIDOSIS TREATED WITH GLUCOSE AND INSULIN] Brubakk O, Hopen G *Tidsskr Nor Laegeforen* 95: 1412-3, 10 Sep 75 (Nor)

[SMALL DOSES OF INTRAMUSCULAR INSULIN IN TREATMENT OF DIABETIC COMA] Reinholdsen J *Tidsskr Nor Laegeforen* 95: 1413-4, 10 Sep 75 (Nor)

[TREATMENT OF SEVERE DIABETIC KETOACIDOSIS WITH CONTINUOUS INTRAVENOUS INFUSION OF LOW DOSES OF INSULIN] Anonymous *Tidsskr Nor Laegeforen* 95: 1415-6, 10 Sep 75 (Nor)

[PROGRESS IN THE TREATMENT OF DIABETIC COMA] Aarseth S *Tidsskr Nor Laegeforen* 95: 1426-7, 10 Sep 75 (Nor)

INSULIN—THE SIPHON REGULATOR. Bargman GJ *Wis Med J* 74: 93-4, Aug 75 (Eng)

[SOME CHARACTERISTICS OF THE PERIPHERAL MICROCIRCULATION AND CAPILLARY PERMEABILITY IN SCHIZOPHRENIA] Smirnov VK *Zh Nevropatol Psikhiatr* 74: 406-12, 1974 (Rus)

CONTROL OF DIABETIC PATIENTS: COMPARISON OF INFORMATION OBTAINED FROM FASTING BLOOD SUGAR LEVEL AND THE GLYCEMIC CYCLE. Mejean L, Drouin P, Martin JM, Debry G *Acta Diabetol Lat* 11: 340-6, Jul-Aug 74 (Eng)

[LATE COMPLICATIONS OF DIABETES MELLITUS—CONSEQUENCE OF IMMUNOLOGIC REACTIONS] Bemm H, Lohmann D *Allerg Immunol (Leipz)* 20-21: 15-20, 1974-75 (Ger)

1.F.9.4 DIABETES, ANTIDIABETICS AND THERAPY

1.F.9.4.1 ANTIDIABETICS

1.F.9.4.2 TOLBUTAMIDE

THE USE OF SOLID PROBE CHEMICAL IONIZATION MASS SPECTROMETRY AND GAS CHROMATOGRAPHY-CHEMICAL IONIZATION MASS SPECTROMETRY IN QUANTITATION OF DRUGS IN BIOLOGICAL FLUIDS. DETERMINATION OF TOLBUTAMIDE AND ITS METABOLITES IN HUMAN PLASMA. Matin SB, Knight JB *Biomed Mass Spectrom* 1: 323-8, Oct 74 (Eng)

LETTER: ORAL AGENTS FOR DIABETES. Fisher AM *Can Med Assoc J* 113: 364, 6 Sep 75 (Eng)

[AN ACUTE DIABETIC SYNDROME INDUCED IN RATS BY ANTI-INSULIN SERUM AS AN EXPERIMENTAL MODEL FOR THE STUDY OF SEVERAL ANTIDIABETIC AGENTS] Andreev D, Strashimirov D, Ditsov S, Dashev G *Eksp Med Morfol* 13: 95-101, 1974 (Bul)

POTENTIATION OF THE ADRENERGIC BETA-RECEPTOR-MEDIATED INSULIN SECRETION IN PERTUSSIS-SENSITIZED RATS. Sumi T, Ui M *Endocrinology* 97: 352-8, Aug 75 (Eng)

[STUDIES ON THE MECHANISM OF THE DIABETOGENIC ACTIVITY OF STREPTOZOTOCIN AND ON THE ABILITY OF COMPOUNDS TO BLOCK THE DIABETOGENIC ACTIVITY OF STREPTOZOTOCIN (AUTHORS TRANSL)] Doi K *Folia Endocrinol Jpn* 51: 129-47, 20 Mar 75 (Jpn)

IMMUNOREACTIVE GLUCAGON RESPONSES TO INTRAVENOUS TOLBUTAMIDE IN CHRONIC PANCREATITIS. Kalk WJ, Vinik AI, Paul M, Leller P, Jackson WP *Diabetes* 24: 851-5, Sep 75 (Eng)

ORAL HYPOGLYCAEMICS IN DIABETES MELLITUS. Anonymous *Lancet* 2: 489-91, 13 Sep 75 (Eng)

[DIAZOXIDE: NEW WAY IN TREATMENT OF HYPERTENSION] Wijdeveld P, Koene R *Ned Tijdschr Geneesk* 119: 421-30, 15 Mar 75 (Dut)

[BENIGN DIABETES IN CHILDREN (AUTHORS TRANSL)] Otto-Buczkowska E, Kokot F, Kuska J *Pzegl Lek* 32: 641-6, 1975 (Pol)

[CHANGES IN ANTICOAGULANT TOLERANCE. II. EFFECTS OF CARDIAC INSUFFICIENCY AND DRUGS ADMINISTERED FOR ITS THERAPY] Nelius D *Z Alternsforsch* 28: 363-7, 1974 (Ger)

NEW ASPECTS OF THE ROLE OF SEROTONIN IN THE INSULIN RELEASE MECHANISM. Barath P *Acta Diabetol Lat* 11: 315-29, Jul-Aug 74 (Eng)

MISUNDERSTANDING OR ERROR THE UGDP REPORT AFTER FOUR YEARS. Marigo S, Adezali L, Burnett P, Pozza G, Robba L, Urbinati G *Acta Diabetol Lat* 11: 357-422, Sep-Oct 74 (Eng) [83]

[DIAGNOSIS OF ORGANIC HYPERINSULINISM] Kramer K, Sailer FX *Anaesthesiol Intensivmed Prax* 10: 125-30, 1975 (Ger)

1.F.9.4.3 OTHER SULFONYL-UREA DERIVATIVES

LETTER: GLIBENCLAMIDE-INDUCED HYPOGLYCAEMIA. Silience DO, Court JM *Br Med J* 3: 490-1, 23 Aug 75 (Eng)

[MECHANISM OF ACTION OF GLIQUIDONE (AUTHORS TRANSL)] Zilker T, Ermler R, Henderkott U, Bottermann P *Dtsch Med Wochenschr* 100: 1733-4, 1739-41, 29 Aug 75 (Ger)

EFFECT OF CHLORPROPAMIDE ON RENAL RESPONSE TO PARATHYROID HORMONE IN NORMAL SUBJECTS AND IN PATIENTS WITH HYPOPARATHYROIDISM AND PSEUDOHYPOPARATHYROIDISM. Coulson R, Moses AM *J Pharmacol Exp Ther* 194: 603-13, Sep 75 (Eng)

LETTER: CHLORPROPAMIDE POISONING AND DIABETES INSIPIDUS. De Troyer A, Ectors M, Hubert JP *Lancet* 2: 514, 13 Sep 75 (Eng)

HISTOPATHOLOGY OF THE ENDOCRINE PANCREAS OF A FRESH-WATER FISH, CLARIAS BATRACHUS (L.) IX: EFFECT OF THE NEW ANTIDIABETIC DRUG, GLIBENCLAMIDE (HB 419). Bhatt SD *Anat Anz* 137: 138-46, 1975 (Eng)

[SIGNIFICANCE OF TISSUE SPECIFICITY FOR THE FREQUENCY OF MITOSIS AND ITS CHANGES (AUTHORS TRANSL)] Hildebrand R, Ernst H *Anat Anz* 137: 196-9, 1975 (Ger)

1.F.9.4.4 PHENFORMIN

DETERMINATION OF PHENFORMIN IN BIOLOGICAL FLUIDS USING CHEMICAL IONIZATION MASS SPECTROMETRY. Matin SB, Karam JH, Forsham PH, Knight JB *Biomed Mass Spectrom* 1: 320-2, Oct 74 (Eng)

EFFECT OF FIBRINOLYTIC TREATMENT IN MALIGNANT ATROPHIC PAPULOSIS. Delaney TJ, Black MM *Br Med J* 3: 415, 16 Aug 75 (Eng)

EFFECT OF PHENFORMIN ON GLUCONEOGENESIS FROM LACTATE AND INTRACELLULAR PH IN THE ISOLATED PERFUSED GUINEA PIG LIVER. Lloyd MH, Iles RA, Walton B, Hamilton CA, Cohen RD *Diabetes* 24: 618-24, Jul 75 (Eng)

LACTIC ACIDOSIS ASSOCIATED WITH PHENFORMIN THERAPY. EVIDENCE THAT INHIBITED LACTATE OXIDATION IS THE CAUSATIVE FACTOR. Searle GL, Siperstein MD *Diabetes* 24: 741-5, Aug 75 (Eng)

PHENFORMIN-INDUCED LACTIC ACIDOSIS IN DIABETIC PATIENTS. Assan R, Heuclin C, Girard JR, LeMaire F, Attali JR *Diabetes* 24: 791-800, Sep 75 (Eng)

THE BEHAVIOUR OF THE PLATELET-LEUKOCYTE AGGREGATION IN THROMBOTIC CONDITIONS. Bielawiec M, Kiernowska-Rogowska B, Mysliwiec M, Perzanowski A *Folia Haematol (Leipz)* 102: 220-9, 1975 (Eng)

ORAL HYPOGLYCAEMICS IN DIABETES MELLITUS. Anonymous *Lancet* 2: 489-91, 13 Sep 75 (Eng)

BEHCETS SYNDROME: CLINICAL, IMMUNOLOGICAL AND THERAPEUTIC EVALUATION OF 17 PATIENTS. Cooper DA, Penny R *Aust NZ J Med* 4: 585-96, Dec 74 (Eng)

1.F.9.4.5 OTHER BIGUANIDES

[NN-DIMETHYLBIGUANIDE ATTENUATES THE LIPID DISORDERS OF RATS ON AN ATHEROGENIC DIET] Esteve B, Marquie G, Agid R *C R Acad Sci [D] (Paris)* 280: 2465-8, 2 Jun 75 (Fre)

CLINICAL EXPERIENCES ON THERAPEUTIC MEASURES OF OBESITY. Strata A, Zuliani U, Cucurachi L, Dellanna A *G Clin Med* 55: 718-31, Oct 74 (Eng)

[MODERN DRUG THERAPY OF DIABETES MELLITUS] Mehnert H *Med Welt* 26: 1571-6, 5 Sep 75 (Ger)

[TWENTY YEARS OF ORAL DIABETIC THERAPY (AUTHORS TRANSL)] Mehnert H, Dietze G, Haslbeck *Munch Med Wochenschr* 117: 1221-8, 18 Jul 75 (Ger)

[MODERN THERAPY OF DIABETES MELLITUS IN OBESE PATIENTS] Liashko K, Severova TM, Peregodov A, Sergeev OI *Sov Med* 106-10, Jun 75 (Rus)

1.F.9.5 DIABETES DRUG THERAPY

[PREVENTION OF DIABETIC ANGIOPATHY OR REVISION OF THE CONCEPT OF CONTROL AND COMPENSATION OF DIABETES AND OF ITS PRACTICAL MANAGEMENT] Scapellato L *Boll Soc Ital Cardiol* 19: 731-8, 1974 (Ita)

LETTER: ORAL AGENTS FOR DIABETES. Fisher AM *Can Med Assoc J* 113: 364, 6 Sep 75 (Eng)

[HYPERLIPEMIAS IN DIABETICS] Mirouze J, Carty ME *Coeur Med Interne* 13: 613-26, Oct-Dec 74 (Fre)

Diabetes Literature—Hierarchical Index

1.F DIABETES

- [MECHANISM OF ACTION OF GLIQUIDONE (AUTHORS TRANSL)] Zilker T, Ermeler R, Henderkott U, Bottermann P *Dtsch Med Wochenschr* 100: 1733-4, 1739-41, 29 Aug 75 (Ger)
- [AN ACUTE DIABETIC SYNDROME INDUCED IN RATS BY ANTI-INSULIN SERUM AS AN EXPERIMENTAL MODEL FOR THE STUDY OF SEVERAL ANTIDIABETIC AGENTS] Andreev D, Strashimirov D, Ditsov S, Dashev G *Eksp Med Morfol* 13: 95-101, 1974 (Bul)
- ANTIGENICITY OF MONOCOMPONENT PORK INSULIN IN DIABETIC SUBJECTS. Yue DK, Turtle JR *Diabetes* 24: 625-32, Jul 75 (Eng)
- OBSERVATIONS ON SODIUM RETENTION RELATED TO INSULIN TREATMENT OF EXPERIMENTAL DIABETES. Blumenthal SA *Diabetes* 24: 645-9, Jul 75 (Eng)
- LACTIC ACIDOSIS ASSOCIATED WITH PHENFORMIN THERAPY. EVIDENCE THAT INHIBITED LACTATE OXIDATION IS THE CAUSATIVE FACTOR. Searle GL, Siperstein MD *Diabetes* 24: 741-5, Aug 75 (Eng)
- PHENFORMIN-INDUCED LACTIC ACIDOSIS IN DIABETIC PATIENTS. Assan R, Heuclin C, Girard JR, LeMaire F, Attali JR *Diabetes* 24: 791-800, Sep 75 (Eng)
- GLUCAGON RESPONSE TO ARGININE AFTER TREATMENT OF DIABETES MELLITUS. Ohneda A, Ishii S, Horigome K, Yamagata S *Diabetes* 24: 811-9, Sep 75 (Eng)
- FACTITIAL PANNICULITIS AND NECROTIZING FASCITIS IN JUVENILE DIABETES. Oh C, Ginsberg-Fellner F, Dolger H *Diabetes* 24: 856-8, Sep 75 (Eng)
- METABOLIC RHYTHMS IN NORMAL AND DIABETIC MAN. STUDIES IN INSULIN-TREATED DIABETES. Alberti KG, Dornhorst A, Rowe AS *Isr J Med Sci* 11: 571-80, Jun 75 (Eng)
- MANAGEMENT OF JUVENILE DIABETES MELLITUS. Chaney C, Elders MJ *J Arkansas Med Soc* 72: 111-27, Aug 75 (Eng) [50]
- [APPARENT INSULIN INCOMPATIBILITY IN A CASE OF ARTHUS PHENOMENON CAUSED BY SURFEN] Forck G, Wilhelm E, Baumeister G, Westerloh K *Med Welt* 26: 664-9, 4 Apr 75 (Ger)
- [MODERN DRUG THERAPY OF DIABETES MELLITUS] Mehner H *Med Welt* 26: 1571-6, 5 Sep 75 (Ger)
- [CURRENT POSSIBILITIES AND PERSPECTIVES IN THE DEVELOPMENT AND TREATMENT OF DIABETES MELLITUS] Lepanovic R, Kovac T *Med Pregl* 28: 233-40, 1975 (Ser)
- [TWENTY YEARS OF ORAL DIABETIC THERAPY (AUTHORS TRANSL)] Mehner H, Dietze G, Haslbeck *Munch Med Wochenschr* 117: 1221-8, 18 Jul 75 (Ger)
- INSULIN ANTIBODY FORMATION DURING LONG-TERM TREATMENT WITH MONOCOMPONENT AND MONOSPECIES INSULIN. Piers DA, Sluiter WJ, Reitsma WD, Doorenbos H *Neth J Med* 17: 234-8, 1974 (Eng)
- LETTER: THE ENDOGENOUS CATABOLIC TRAUMATIC TRIAD SYNDROME. DiNicola AF *NZ Med J* 82: 27-8, 9 Jul 75 (Eng)
- [A CLINICAL STUDY OF A NEW SULFONYLUREA HYPOLYCEMIC AGENT: GLIPIZIDE (GLIBENESIC)(AUTHORS TRANSL)] Cochet B, Balant L, Rilliet B, Zahnd G *Praxis* 64: 562-8, 6 May 75 (Fre)
- [MODERN THERAPY OF DIABETES MELLITUS IN OBESE PATIENTS] Lishko K, Severova TM, Peregudov A, Sergeev OI *Sov Med* 106-10, Jun 75 (Rus)

- [EFFECT OF INSULIN ON THE NUCLEIC ACID LEVELS IN THE BLOOD OF PATIENTS WITH DIABETES MELLITUS] Franchuk MM *Ter Arkh* 47: 132-4, 1975 (Rus)
- INSULIN—THE SIPHON REGULATOR. Bargman GJ *Wis Med J* 74: 93-4, Aug 75 (Eng)
- CONTROL OF DIABETIC PATIENTS: COMPARISON OF INFORMATION OBTAINED FROM FASTING BLOOD SUGAR LEVEL AND THE GLYCEMIC CYCLE. Mejean L, Drouin P, Martin JM, Debry G *Acta Diabetol Lat* 11: 340-6, Jul-Aug 74 (Eng)
- MISUNDERSTANDING OR ERROR THE UGDP REPORT AFTER FOUR YEARS. Marigo S, Adezati L, Burnetti P, Pozza G, Robba L, Urbini G *Acta Diabetol Lat* 11: 357-422, Sep-Oct 74 (Eng) [83]
- 1.F.9.6 DIABETES THERAPY
- [LETTER: SYMPATHECTOMY IN DIABETES] Waibel P *Dtsch Med Wochenschr* 100: 2058, 3 Oct 75 (Ger)
- [AN ACUTE DIABETIC SYNDROME INDUCED IN RATS BY ANTI-INSULIN SERUM AS AN EXPERIMENTAL MODEL FOR THE STUDY OF SEVERAL ANTIDIABETIC AGENTS] Andreev D, Strashimirov D, Ditsov S, Dashev G *Eksp Med Morfol* 13: 95-101, 1974 (Bul)
- TRANSPLANTATION OF THE ISLETS OF LANGERHANS AND THE HISTOCOMPATIBILITY OF ENDOCRINE TISSUE. Barker CF *Diabetes* 24: 766-75, Aug 75 (Eng)
- [CURRENT POSSIBILITIES AND PERSPECTIVES IN THE DEVELOPMENT AND TREATMENT OF DIABETES MELLITUS] Lepanovic R, Kovac T *Med Pregl* 28: 233-40, 1975 (Ser)
- [DIABETIC AMYOTROPHY] Indan L, Jackowska D, Matyjek J *Pol Tyg Lek* 30: 1537-8, 15 Sep 75 (Pol)
- [PRACTICAL POSTGRADUATE COURSE IN DIABETOLOGY (AUTHORS TRANSL)] Berger W *Praxis* 64: 626-31, 20 May 75 (Ger)
- [SURVEILLANCE OF THE DIABETIC] Moineade S, Eskenazi F *Sem Hop Ther* 51: 37-40, Jan 75 (Fre)
- PHYSIOTHERAPEUTIC METHODS OF TREATMENT OF DIABETES MELLITUS] Verigo LP, Tirkina TN, Zhukovskii MA *Sov Med* 135-6, Jun 75 (Rus)
- [DIABETES MELLITUS IN CHILDREN AND ADOLESCENTS (THERAPY, PREVENTION)] Vasilukova EA, Kasatkina EP *Sov Med* 52-6, Jun 75 (Rus)
- DIABETES IN ADOLESCENCE. Guthrie DW, Guthrie RA *Am J Nurs* 75: 1740-4, Oct 75 (Eng)
- 1.F.9.7 DIABETES, RADIOGRAPHY
- 1.F.9.8 DIABETES, SURGERY
- RENAL TRANSPLANTATION IN INSULIN-DEPENDENT DIABETIC PATIENTS. Kjellstrand CM, Shideman JR, Simmons RL, Buselmeier TJ, von Hartitzsch B, Goetz FC, Najarian JS *Kidney Int* [Suppl] 15-20, Oct 74 (Eng)
- PANCREATIC TRANSPLANTATION IN NEW YORK. Gliedman ML, Tellis V, Soberman R, Rifkin H, Freed SZ, Veith FJ *Kidney Int* [Suppl] 164-8, Oct 74 (Eng)
- END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: GENERAL TOPICS AND SUMMATION. Anonymous *Kidney Int* [Suppl] 179-86, Oct 74 (Eng)

1.F.9.9 DIABETES, MORTALITY

- HEMODIALYSIS-RELATED PROBLEMS IN PATIENTS WITH DIABETES MELLITUS. Kaissis SD, Yen MC, Lazarus M, Lowrie EG, Goldstein HH, Takacs FJ, Hampers CL, Merrill JD *Kidney Int* [Suppl] 100-7, Oct 74 (Eng)
- END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: THE PROBLEM OF END-STAGE DIABETIC NEPHROPATHY. Anonymous *Kidney Int* [Suppl] 21-6, Oct 74 (Eng)
- DIABETES AND THE HEART. Scott RC *Am Heart J* 90: 283-9, Sep 75 (Eng) [83]

1.F.10 DIABETES, EXPERIMENTAL

1.F.10.1 DIABETES, CHEMICALLY INDUCED

- [EFFECT OF INSULIN AND DIABETES ON NON-ESTERIFIED FATTY ACID PLASMA LEVELS IN FETUS AND NEWBORN RAT] Picon L, Irondele MM, Prudont G *C R Acad Sci [D] (Paris)* 279: 2067-9, 23 Dec 74 (Fre)
- [STUDIES ON THE MECHANISM OF THE DIABETOGENIC ACTIVITY OF STREPTOZOTOCIN AND ON THE ABILITY OF COMPOUNDS TO BLOCK THE DIABETOGENIC ACTIVITY OF STREPTOZOTOCIN (AUTHORS TRANSL)] Doi K *Folia Endocrinol Jpn* 51: 129-47, 20 Mar 75 (Jpn)
- OBSERVATIONS ON SODIUM RETENTION RELATED TO INSULIN TREATMENT OF EXPERIMENTAL DIABETES. Blumenthal SA *Diabetes* 24: 645-9, Jul 75 (Eng)
- COMPARATIVE STUDY OF THE PATHOLOGY OF SUCROSE-INDUCED DIABETES IN THE RAT AND ADULT-ONSET DIABETES IN MAN. Rosenmann E, Yanko L, Cohen AM *Isr J Med Sci* 11: 753-61, Jul 75 (Eng)
- DIABETES AND THE SURVIVAL AND RECOVERY OF THE ANOXIC MYOCARDIUM. Hearse DJ, Stewart DA, Chain EB *J Mol Cell Cardiol* 7: 397-415, Jun 75 (Eng)
- [PRACTICAL POSTGRADUATE COURSE IN DIABETOLOGY (AUTHORS TRANSL)] Berger W *Praxis* 64: 626-31, 20 May 75 (Ger)
- [PROBLEMS RAISED BY CORTICOID THERAPY IN CHILDREN] Mathieu H *Rev Prat* 25: 1151-8, 11 Mar 75 (Fre)
- CHANGES IN CARBOHYDRATE TOLERANCE DURING LONG-TERM ORAL CONTRACEPTION. Posner NA, Silverstone FA, Tobin EH, Breuer J *Am J Obstet Gynecol* 123: 119-27, 15 Sep 75 (Eng)
- EXTRACTION OF D-BETA-HYDROXYBUTYRATE BY BRAIN IN DIABETIC RATS. Openshaw H, Diamond I *Arch Neurol* 32: 640-1, Sep 75 (Eng)

1.F.10.2 ALLOXAN DIABETES

- ISLET CELL TRANSPLANTATION. Leonard RJ, Lazarow A, McEvoy RC, Hegre OD *Kidney Int* [Suppl] 169-78, Oct 74 (Eng)

1.F.10.2.1 ALLOXAN DIABETES, BLOOD

- LONG TERM STUDIES OF PANCREAS TRANSPLANTATION IN EXPERIMENTAL DIABETES MELLITUS. Orloff MJ, Lee S, Charters AC 3d, Grambort DE, Storck LG, Knox D *Ann Surg* 182: 198-206, Sep 75 (Eng)

1.F.10.2.2 ALLOXAN DIABETES, DRUG THERAPY

1.F.10.2.3 ALLOXAN DIABETES, ENZYMOLOGY

[NADP- AND NAD-MALATE DEHYDROGENASE IN THE LIVER AND RENAL CORTEX AND HORMONAL REGULATION OF ITS ACTIVITY] Tsoncheva AV
Eksp Med Morfol 13: 89-95, 1974 (Bul)

1.F.10.2.4 ALLOXAN DIABETES, METABOLISM

NEUROCHEMICAL CORRELATES OF ALLOXAN DIABETES: I. RIBONUCLEIC ACID AND PROTEIN LEVELS OF AMPHIBIAN BRAIN. Nayeemunnisa
Experientia 31: 942-3, 15 Aug 75 (Eng)

DECREASE IN MYELIN CONTENT OF RABBIT SCIATIC NERVE WITH AGING AND DIABETES. Spritz N, Singh H, Marinar B
Diabetes 24: 680-3, Jul 75 (Eng)

STUDIES ON THE ACTION OF HORMONES ON THE INTESTINAL TRANSPORT OF L-HISTIDINE. Kansal VK, Wagle DS
Indian J Physiol Pharmacol 19: 28-33, Jan-Mar 75 (Eng)

[INFLUENCE OF INDOLE-3-ALKANECARBOXYLIC ACIDS ON GLUCOSE UTILIZATION IN RATS] Losert W, Kraaz W
Arzneim Forsch 25: 880-7, Jun 75 (Ger)

1.F.10.2.5 ALLOXAN DIABETES, PATHOLOGY

EFFECTS OF ALLOXAN DIABETES AND INSULIN ON MORPHOLOGY AND CERTAIN FUNCTIONAL ACTIVITIES OF MITOCHONDRIA OF THE RAT LIVER AND HEART. Marinar UM, Monacelli R, Cottalasso D, Novelli A
Acta Diabetol Lat 11: 296-314, Jul-Aug 74 (Eng)

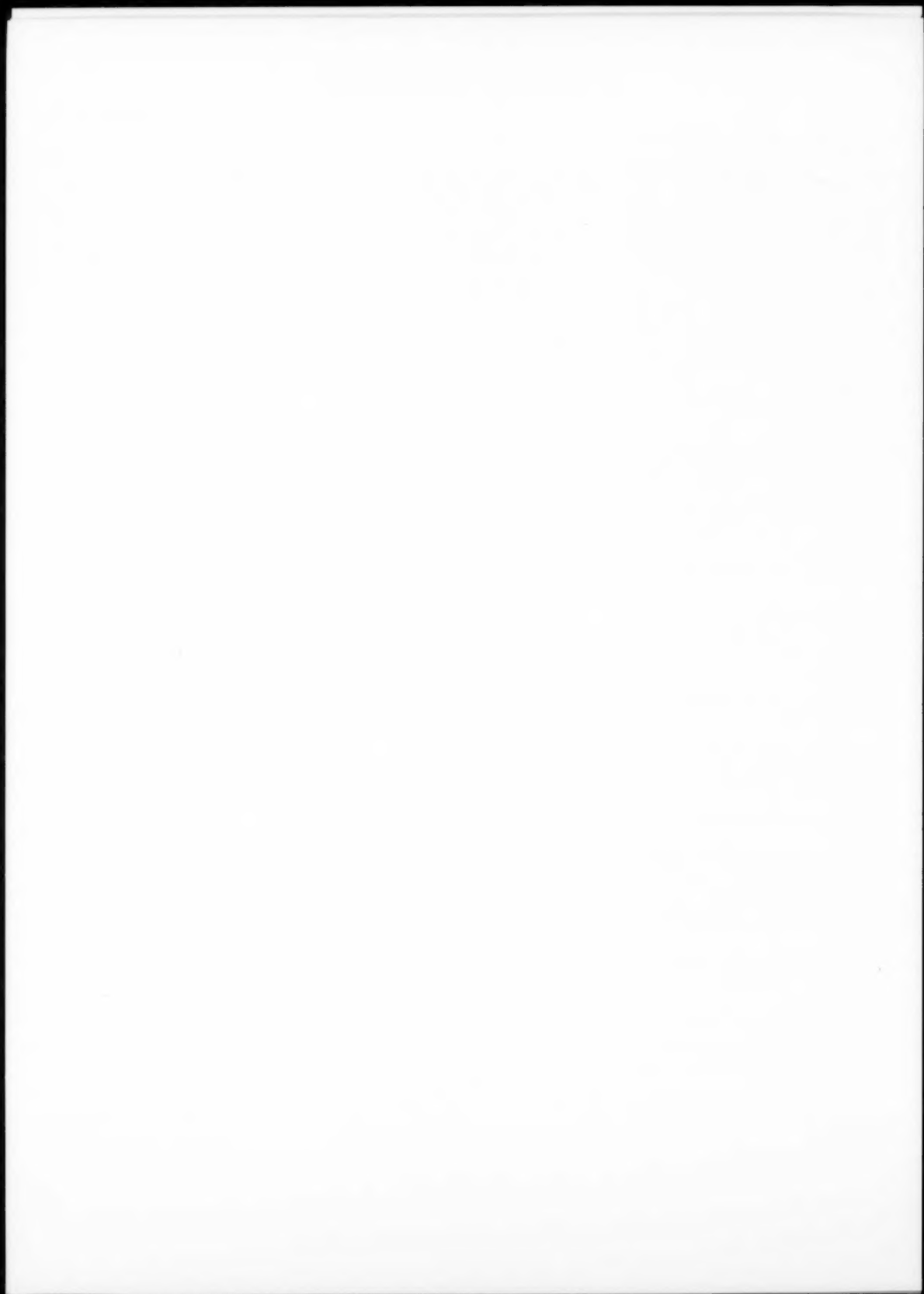
1.F.10.2.6 ALLOXAN DIABETES, PHYSIOPATHOLOGY

LONG TERM STUDIES OF PANCREAS TRANSPLANTATION IN EXPERIMENTAL DIABETES MELLITUS. Orloff MJ, Lee S, Charters AC 3d, Grambort DE, Storck LG, Knox D
Ann Surg 182: 198-206, Sep 75 (Eng)

1.F.11 DIABETES, VETERINARY

FEEDING BEHAVIOR IN MONKEYS WITH SPONTANEOUS DIABETES MELLITUS. Hamilton CL, Lewis D
J Med Primatol 4: 145-53, 1975 (Eng)

1.F.12 DIABETES, HISTORY



SECTION 2. ENDOCRINOLOGY AND RELATED TOPICS

2.A ENDOCRINE PANCREAS

2.A.1 ISLETS (SEE SEC. 1.A)

2.A.2 INSULIN (SEE SEC. 1.C)

2.A.3 GLUCAGON (SEE SEC. 1.D)

2.B ADRENAL GLANDS

MULTIPLE INHIBITORY AND ACTIVATING EFFECTS OF NUCLEOTIDES AND MAGNESIUM ON ADRENAL ADENYLATE CYCLASE. London C, Rodbell M *J Biol Chem* 250: 3459-65, 10 May 75 (Eng)

QUANTITATIVE ULTRASTRUCTURAL STUDY OF THE ADRENAL CORTEX: EFFECTS OF A MAMMOTROPIC PITUITARY TUMOR PRODUCING GROWTH HORMONE AND PROLACTIN (MTT-W10), AND OF INJECTED GROWTH HORMONE IN THE RAT. Nickerson PA *Albrecht von Graefes Arch Klin Ophthalmol* 194: 52-62, 1975 (Eng)

[PROCEEDINGS: DIENCEPHALON-PITUITARY-ADRENAL SYSTEM AND CYCLIC AMP] Makino E, Matsushima Y, Masaka M, Yamamoto M, Kumagai A *Folia Endocrinol Jpn* 50: 469, 20 Feb 74 (Jpn)

[PROCEEDINGS: CATECHOLAMINE POOL AND METABOLISM IN MICROSOME FRACTIONS] Yamada R, Yoshitoshi K *Folia Endocrinol Jpn* 50: 634, 20 Feb 74 (Jpn)

[THE SYMPATHICO-ADRENAL SYSTEM IN ACUTE MYOCARDIAL INFARCT] Sznajderman M *Kardiol Pol* 18: 43-9, 1975 (Pol)

2.B.1 ADRENAL CORTEX

2.B.2 ADRENAL CORTEX HORMONES

GENERAL DENTISTRY AND ORAL MEDICINE IN THE HOSPITAL. Greenberg MS *Dent Clin North Am* 19: 643-56, Oct 75 (Eng)

ANTIGENICITY OF MONOCOMPONENT PORK INSULIN IN DIABETIC SUBJECTS. Yue DK, Turtle JR *Diabetes* 24: 625-32, Jul 75 (Eng)

PATHOGENESIS OF DIABETIC RETINOPATHY. Oberman AE *Trans Pac Coast Ophthalmol Soc* 55: 167-77, 1974 (Eng) [21]

BEHCETS SYNDROME: CLINICAL, IMMUNOLOGICAL AND THERAPEUTIC EVALUATION OF 17 PATIENTS. Cooper DA, Penny R *Aust NZ J Med* 4: 585-96, Dec 74 (Eng)

2.B.2.1 GLUCOCORTICOIDS

EFFECT OF PANCREATECTOMY OR ADRENALECTOMY ON THE RESPONSES OF RATS TO MEAL-FEEDING. Kaul L, Berdanier CD *J Nutr* 105: 1176-85, Sep 75 (Eng)

[ENDOCRINE DWARFISM. 3. DIAGNOSIS AND THERAPY OF NONHYPOTHALAMIC-NON-PITUITARY ENDOCRINE DWARFISM] Hesse V *Kinderaerzt Prax* 43: 217-26, May 75 (Ger)

[LETTER: GLUCOCORTICOIDS AND LIPID METABOLISM] Kaiser H *Dtsch Med Wochenschr* 99: 1841, 13 Sep 74 (Ger)

[PROCEEDINGS: EFFECT OF GLUCOCORTICOID AND ESTROGEN ON GLUCOSE UPTAKE BY THE ADIPOSE TISSUE] Umehara C, Nishikawa Y, Iki Y, Sugimoto T *Folia Endocrinol Jpn* 50: 650, 20 Feb 74 (Jpn)

2.B.2.1.1 CORTISONE

2.B.2.1.2 HYDROCORTISONE

[NADP- AND NAD-MALATE DEHYDROGENASE IN THE LIVER AND RENAL CORTEX AND HORMONAL REGULATION OF ITS ACTIVITY] Tsoncheva AV *Eksp Med Morfol* 13: 89-95, 1974 (Bul)

POTENTIATION OF THE ADRENERGIC BETA-RECEPTOR-MEDIATED INSULIN SECRETION IN PERTUSSIS-SENSITIZED RATS. Sumi T, Ui M *Endocrinology* 97: 352-8, Aug 75 (Eng)

EFFECT OF PHYSICAL EXERCISE ON SECRETION OF GROWTH HORMONE, GLUCAGON, AND CORTISOL IN OBESE AND DIABETIC CHILDREN. Garlaschi C, di Natale B, del Guercio MJ, Caccamo A, Gargantini L, Chiumello G *Diabetes* 24: 758-61, Aug 75 (Eng)

PLASMA RENIN ACTIVITY IN JUVENILE DIABETES MELLITUS AND EFFECT OF DIAZOXIDE. Gossain VV, Werk EE, Sholiton LJ, Srivastava L, Knowles HC Jr *Diabetes* 24: 833-5, Sep 75 (Eng)

STUDIES ON THE ACTION OF HORMONES ON THE INTESTINAL TRANSPORT OF L-HISTIDINE. Kansal VK, Wagle DS *Indian J Physiol Pharmacol* 19: 28-33, Jan-Mar 75 (Eng)

ALTERED HYPOTHALAMIC-PITUITARY-ADRENAL RESPONSIVENESS TO DEXAMETHASONE-INSULIN TOLERANCE TEST IN ACTIVE ACROMEGALY. Hofeldt FD, Levin SR, Von Werder K, Becker N, Schneider V, Hane S, Seymour R, Adams JE, Forsham PH *J Clin Endocrinol Metab* 41: 399-401, Aug 75 (Eng)

POSTPRANDIAL HYPOGLYCEMIA. FACT OR FICTION. Hofeldt FD, Adler RA, Herman RH *JAMA* 233: 1309, 22 Sep 75 (Eng)

INSULIN AND HYDROCORTISONE EFFECTS ON VIABILITY AND GLYCOGEN STORES OF POSTNATAL RAT LIVER ORGAN CULTURE. Reed GB, Grisham JW *Lab Invest* 33: 298-304, Sep 75 (Eng)

INTERACTION OF ENDOGENOUS GROWTH HORMONE, CORTISOL, AND CATECHOLAMINES WITH BRITTLE DIABETES MELLITUS. Bruck E, MacGillivray MH *Pediatr Res* 9: 535-41, Jun 75 (Eng)

[PROBLEMS RAISED BY CORTICOID THERAPY IN CHILDREN] Mathieu H *Rev Prat* 25: 1151-8, 11 Mar 75 (Fre)

EDITORIAL: CURRENT UNDERSTANDING OF PATHOGENESIS OF OBESITY. Fiser RH Jr, Fisher DA *South Med J* 68: 931-3, Aug 75 (Eng)

THE DIAGNOSTIC VALUE OF HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL FUNCTION TESTS IN PATIENTS WITH CUSHINGS SYNDROME. Hashimoto K *Acta Med Okayama* 29: 111-26, Apr 75 (Eng)

THE EFFECT OF CARBENOXOLONE SODIUM ON THE PLASMA 11 HYDROXYCORTICOID LEVELS IN CHRONIC GASTRIC ULCERATION. Gollan JL, Hecker R, Mackinnon AM *Aust NZ J Med* 5: 231-4, Jun 75 (Eng)

HORMONE ACTION AND MEMBRANE FLUIDITY: EFFECT OF INSULIN AND CORTISOL ON THE HILL COEFFICIENTS OF RAT ERYTHROCYTE MEMBRANE-BOUND ACETYLCHOLINESTERASE AND (NA& & K&)-ATPASE. Massa EM, Morero RD, Bloj B, Farias RN *Biochem Biophys Res Commun* 66: 115-22, 2 Sep 75 (Eng)

TIME SERIES ANALYSIS OF HORMONAL PATTERNS IN HUMAN PLASMA. Vagnucci AH, Wong AK, Liu TS *Comput Biomed Res* 7: 513-32, Dec 74 (Eng)

STEROID HORMONE-RESPONSIVE, ISOLATED ENDOMETRIAL CELLS. Pietras RJ, Szego CM *Endocrinology* 96: 946-54, Apr 75 (Eng)

[PROCEEDINGS: ONE NIGHT SLEEP DEPRIVATION IN DEPRESSION AND CIRCADIAN RHYTHM IN BLOOD CORTISOL LEVEL] Yamaguchi N, Maeda K, Yoshimoto N, Sakamoto N, Miyazaki R *Folia Endocrinol Jpn* 50: 333, 20 Feb 74 (Jpn)

GROWTH HORMONE AND CORTISOL IN NEONATES DURING PHOTOTHERAPY. von Muhlendahl KE, Ballowitz L *Z Kinderheilkd* 119: 53-8, 1975 (Eng)

MODULATION OF CELL SURFACE STRUCTURE AND FUNCTION. Anonymous *Adv Exp Med Biol* 51: 101-61, 1974 (Eng)

[PROCEEDINGS: EFFECT OF PITUITARY STALK SECTION ON GROWTH HORMONE AND CORTISOL SECRETION IN RHESUS MONKEY] Kuwayama A, Shintani A, Kageyama N, Zervas NT *Folia Endocrinol Jpn* 50: 280, 20 Feb 74 (Jpn)

[PROCEEDINGS: PROTEIN BINDING OF CORTISOL AND GLUCOSE METABOLISM INHIBITOR BY THYMIC CELLS] Senoo H, Niimi M, Matsui N *Folia Endocrinol Jpn* 50: 339, 20 Feb 74 (Jpn)

MONTHLY VARIATIONS OF SERUM LEVELS OF THYROTROPIN, GROWTH HORMONE AND CORTISOL IN MAN. Golstein J, Van Cauter E, Leclercq R, Copinschi G, Vanhaelst L *Horm Metab Res* 6: 506-9, Nov 74 (Eng)

CHANGES IN PLASMA CORTISOL, GLUCOSE AND FREE FATTY ACIDS AFTER CAFFEINE INGESTION IN OBESE WOMEN. Oberman Z, Herzberg M, Jaskolka H, Harell A, Hoerer E, Laurian L *Isr J Med Sci* 11: 33-6, Jan 75 (Eng)

UPTAKE OF 3-O-METHYL-14C-D-GLUCOSE BY RAT THYMIC LYMPHOCYTES: INSENSITIVITY TO CORTISOL AND INHIBITORS OF RIBONUCLEIC ACID AND PROTEIN SYNTHESIS, AND SENSITIVITY TO

2.B ADRENAL GLANDS

CYTOCHALASIN B. Feldman MJ, Kraetsch RE, Lichtman MA, Peck WA *J Reticuloendothel Soc* 16: 318-26, Dec 74 (Eng)

[EFFECT OF HYDROCORTISONE ADMINISTRATION ON THE RATE OF ANAEROBIC GLYCOLYSIS IN RAT CEREBRAL CORTEX SECTIONS] Bogdanova TS, Emelianov NA *Probl Endokrinol (Mosk)* 20: 74-6, May-Jun 74 (Rus)

2.B.2.1.3 OTHER GLUCOCORTICIDS

[INFLUENCE OF DIET, CORTISONE AND INSULIN ON VARIATIONS IN ENZYME ACTIVITY OF PYRUVATE CARBOXYLASE (EC 6.4.1.1) AND PHOSPHOENOLPYRUVATE CARBOXYKINASE (EC 4.1.1.32) IN RAT LIVER] Peret J, Chané M C *R Acad Sci [D] (Paris)* 279: 2095-8, 23 Dec 74 (Fre)

HORMONAL REGULATION OF INCORPORATION OF ALANINE-U-¹⁴C INTO GLUCOSE IN HUMAN FETAL LIVER EXPLANTS. EFFECT OF DIBUTYRYL CYCLIC AMP, GLUCAGON, INSULIN, AND TRIAMCINOLONE. Schwartz AL, Rall TW *Diabetes* 24: 650-7, Jul 75 (Eng)

UNDER-RESPONSIVENESS OF GROWTH HORMONE SECRETION AFTER L-DOPA AND DEEP SLEEP STIMULATION IN OBESSE SUBJECTS. Laurian L, Oberman Z, Ayalon D, Cordova T, Herzberg M, Horer E, Harell A *Isr J Med Sci* 11: 482-7, May 75 (Eng)

ALTERED HYPOTHALAMIC-PITUITARY-ADRENAL RESPONSIVENESS TO DEXAMETHASONE-INSULIN TOLERANCE TEST IN ACTIVE ACROMEGALY. Hofeldt FD, Levin SR, Von Werder K, Blecker N, Schneider V, Hane S, Seymour R, Adam JE, Forsham PH *J Clin Endocrinol Metab* 41: 399-401, Aug 75 (Eng)

INHIBITORY EFFECT OF PREDNISONE ON INSULIN SECRETION IN MAN: MODEL FOR DUPLICATION OF BLOOD GLUCOSE CONCENTRATION. Kalhan SC, Adam PA *J Clin Endocrinol Metab* 41: 600-10, Sep 75 (Eng)

CELLULAR IMMUNE RESPONSE TO PERIPHERAL NERVE BASIC PROTEIN IN IDIOPATHIC FACIAL PALYSLYSIS (BELLS PALS). Abramsky O, Wehl C, Teitelbaum D, Arnon R *J Neurol Sci* 26: 13-29, Sep 75 (Eng)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: PROBLEMS IN TRANSPLANTATION. Anonymous *Kidney Int [Suppl]* 133-40, Oct 74 (Eng)

METABOLIC PROBLEMS IN DIABETIC PATIENTS UNDERGOING RENAL TRANSPLANTATION. Palumbo PJ, Woods JE, Johnson WJ, Service FJ *Kidney Int [Suppl]* 58-62, Oct 74 (Eng)

[PROBLEMS RAISED BY CORTICOID THERAPY IN CHILDREN] Mathieu H *Rev Prat* 25: 1151-8, 11 Mar 75 (Fre)

[BLOOD GLUCOSE AND IMMUNOREACTIVE INSULIN IN CHILDREN WITH DIABETIC SIBLINGS AND DIABETIC MOTHERS (AUTHORS TRANSL)] Waldhauf W, Rosenkranz A, Dudeczak R *Z Kinderheilkd* 120: 59-68, 1 Jul 75 (Ger)

THE DIAGNOSTIC VALUE OF HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL FUNCTION TESTS IN PATIENTS WITH CUSHINGS SYNDROME. Hashimoto K *Acta Med Okayama* 29: 111-26, Apr 75 (Eng)

CATECHOLAMINES AND EXERCISE-INDUCED GLUCAGON AND FATTY ACID MOBILIZATION IN THE RAT. Luyckx AS, Dresse A, Cession-Fossion A, Lefebvre PJ *Am J Physiol* 229: 376-83, Aug 75 (Eng)

THE EFFECT OF CARBENOXOLONE SODIUM ON THE PLASMA 11-HYDROXYCORTICOID LEVELS IN CHRONIC GASTRIC ULCERATION. Gollan JL, Hecker R, Mackinnon AM *Aust NZ J Med* 5: 231-4, Jun 75 (Eng)

EVIDENCE FOR GLUCOCORTICOID TRANSPORT INTO ATT-20/D-1 CELLS. Harrison RW 3d, Fairfield S, Orth DN *Biochemistry* 14: 1304-7, 25 Mar 75 (Eng)

THE EFFECT OF FETAL HYPOPHYSECTOMY ON PLACENTAL BIOSYNTHESIS OF PROGESTERONE IN RHESUS. Hageman FC, Baughman WL, Kittinger GW *Endocrinology* 96: 1059-62, Apr 75 (Eng)

BIOLOGICAL RHYTHMS. Halberg F *Adv Exp Med Biol* 54: 1-41, 1975 (Eng)

EFFECTS OF VARIOUS HORMONES ON THE PITUITARY-ADRENAL AXIS. Kitay JJ *Adv Exp Med Biol* 54: 155-67, 1975 (Eng)

CIRCADIAN PITUITARY ADRENAL RHYTHMS. Krieger DT *Adv Exp Med Biol* 54: 169-89, 1975 (Eng)

ISOLATION AND BIOLOGICAL CHARACTERIZATION OF FRAGMENTS OF HUMAN GROWTH HORMONE PRODUCED BY DIGESTION WITH PLASMIN. Reagan CR, Mills JB, Kostyo JL, Wilhelm AE *Endocrinology* 96: 625-36, Mar 75 (Eng)

[CLINICAL STUDY OF A NEW SYNTHETIC STEROID IN THE TREATMENT OF BRONCHIAL ASTHMA] Pacheco CR, Valdez-Ochoa S, Naranjo F, Alvarez H, Aguilar M, Saavedra M *Gac Med Mex* 104: 313-9, Oct 72 (Spa)

ESTROGEN SYNTHESIS BY THE PREGNANT BABOON. Kling OR, Rubin EJ, Townsley JD *J Med Primatol* 1: 102-13, 1972 (Eng)

[CARCINOMA OF THE ADRENAL CORTEX] Dzhurin DS, Michin IV, Popovich S, Manolovich DL, Dzordzhevich P *Probl Endokrinol (Mosk)* 20: 51-6, May-Jun 74 (Rus)

2.B.2.2 MINERALOCORTICIDS

[SOMATOTROPIN INSUFFICIENCY. I. METABOLIC AND HORMONAL DISORDERS] Popa M *Stud Cercet Endocrinol* 23: 219-34, 1972 (Rum) [87]

TIME SERIES ANALYSIS OF HORMONAL PATTERNS IN HUMAN PLASMA. Vagnucci AH, Wong AK, Liu TS *Comput Biomed Res* 7: 513-32, Dec 74 (Eng)

STEROID HORMONE-RESPONSIVE, ISOLATED ENDOMETRIAL CELLS. Pietras RJ, Szego CM *Endocrinology* 96: 946-54, Apr 75 (Eng)

2.B.3 ADRENAL MEDULLA

CATECHOLAMINES AND EXERCISE-INDUCED GLUCAGON AND FATTY ACID MOBILIZATION IN THE RAT. Luyckx AS, Dresse A, Cession-Fossion A, Lefebvre PJ *Am J Physiol* 229: 376-83, Aug 75 (Eng)

[KARYOMETRIC STUDIES OF THE PANCREAS AND ADRENAL GLANDS OF THE ALBINO-RAT FED AN UNBALANCED GLUCOSE DIET OR A GLUCOSE DIET SUPPLEMENTED WITH THIAMINE] Hildebrand R *Anat Anz* 137: 187-95, 1975 (Ger)

EFFECTS OF CYCLIC ADENOSINE 3,5-MONOPHOSPHATE AND ITS DIBUTYRYL DERIVATIVES ON CATECHOLAMINE SYNTHESIS IN BOVINE ADRENAL MEDULLARY SLICES. Oka M, Izumi F *FEBS Lett* 51: 253-6, 1 Mar 75 (Eng)

2.B.3.1 EPINEPHRINE

IN VITRO STIMULATION OF HEPATIC GLYCOGEN PHOSPHORYLASE ACTIVITY BY EPINEPHRINE AND GLUCAGON IN THE KILLIFISH, *FUNDULUS HETEROCILITUS*. Uminger BL, Benziger D, Levy S *Comp Biochem Physiol [C]* 51: 111-5, 1 Jun 75 (Eng)

POTENTIATION OF THE ADRENERGIC BETA-RECEPTOR-MEDIATED INSULIN SECRETION IN PERTUSSIS-SENSITIZED RATS. Sumi T, Ui M *Endocrinology* 97: 352-8, Aug 75 (Eng)

INHIBITION OF LABILE AGGREGATION-STIMULATING SUBSTANCE (LASS) AND PLATELET AGGREGATION IN DIABETES MELLITUS. Colwell JA, Chambers A, Laimins M *Diabetes* 24: 684-7, Jul 75 (Eng)

HORMONAL CONTROL OF CYCLIC 3,5-AMP LEVELS AND GLUCONEOGENESIS IN ISOLATED HEPATOCYTES FROM FED RATS. Pilks SJ, Claus TH, Johnson RA, Park CR *J Biol Chem* 250: 6328-36, 25 Aug 75 (Eng)

INHIBITION OF BASAL AND HORMONE-STIMULATED ADENYLATE CYCLASE IN ADIPOCYTE GHOSTS BY THE PROSTAGLANDIN ENDOPEROXIDE PROSTAGLANDIN H2. Gorman RR, Hamberg M, Samuelsson B *J Biol Chem* 250: 6460-3, 25 Aug 75 (Eng)

[SIGNIFICANCE OF THE 2-DEOXY-D-GLUCOSE-TEST ON THE DIFFERENTIATION OF HYPOGLYCEMIA IN CHILDHOOD (AUTHORS TRANSL)] Kruse K, Bartels H *Klin Padiatr* 187: 308-13, Jul 75 (Ger)

SYMPATHO-ADRENAL DEVELOPMENT IN PERINATALLY ADDICTED RATS. Slotkin TA, Anderson TR *Addict Dis* 2: 293-306, 1975 (Eng)

[RESULTS OF A STUDY ON THE CIRCADIAN RHYTHM OF CATECHOLAMINE EXCRETION ON NORMAL SUBJECTS AND THOSE WITH HIGH EXCRETION LEVELS (AUTHORS TRANSL)] Wisser H, Knoll E *Clin Chim Acta* 59: 1-7, 22 Feb 75 (Ger)

ADRENERGIC LIPOLYSIS IN HUMAN ADIPOSE TISSUE IN VITRO. Wenkeova J, Kuhn E, Wenke M *Eur J Pharmacol* 30: 49-55, Jan 75 (Eng)

EPINEPHRINE STIMULATION OF FAT CELL ADENYLATE CYCLASE: REGULATION BY GUANOSINE-5-TRIPHOSPHATE AND MAGNESIUM ION. Siegel MI, Cuatrecasas P *Mol Cell Endocrinol* 1: 89-98, Apr 74 (Eng)

EFFECT OF ADRENERGIC BLOCKADE ON FATTY ACID MOBILIZATION. Khosla P, Garg KN *Indian J Med Res* 62: 1486-91, Oct 74 (Eng)

CYCLIC NUCLEOTIDE PHOSPHODIESTERASES AND THYROID HORMONES. Van Inwegen RG, Robison GA, Thompson WJ *J Biol Chem* 250: 2452-6, 10 Apr 75 (Eng)

PERFUSED FAT CELLS. Allen DO, Largis EE, Katocs AS Jr, Ashmore J *Methods Enzymol* 35: 607-12, 1975 (Eng)

THE ADRENAL MEDULLA: A MODEL FOR STUDIES OF HORMONAL AND NEURONAL STORAGE AND RELEASE MECHANISMS. Helle KB, Serck-Hanssen G *Mol Cell Biochem* 6: 127-46, 28 Feb 75 (Eng) [118]

LACTIC ACIDOSIS IN EPINEPHRINE POISONING. Kolendorf K, Moller BB *Acta Med Scand* 196: 465-6, Dec 74 (Eng)

CONTROL OF CARDIAC SARCOLEMMA ADENYLATE CYCLASE AND SODIUM, POTASSIUM-ACTIVATED ADENOSINETRIPHOSPHATASE ACTIVITIES. Tada M, Kirchberger MA, Iorio JM, Katz AM *Circ Res* 36: 8-17, Jan 75 (Eng)

2.C THYROID GLAND

[THE EFFECT OF CATECHOLAMINES ON SODIUM TRANSPORT IN THE SKIN OF FROGS] Kuzmin OB *Farmakol Toksikol* 38: 64-6, Jan-Feb 75 (Rus)

[PROCEEDINGS: ACTION MECHANISM OF LIPID MOBILIZING HORMONE AND CAMP] Saito Y, Matsuoka N, Okuda T, Fujii S *Folia Endocrinol Jpn* 50: 479, 20 Feb 74 (Jpn)

[PROCEEDINGS: ENERGY HOMEOSTASIS. 4. METABOLIC CHANGES AT EPINEPHRINE LOADING IN PATIENTS WITH INSULINOMA] Sakamoto N, Hotta A, Yoshida M, Sato S, Nagashima M *Folia Endocrinol Jpn* 50: 543, 20 Feb 74 (Jpn)

EFFECTS OF DIET AND EXERCISE ON CATECHOLAMINE EXCRETION. Sonka J, Kopecka J, Pavlova A, Zbirikova A, Stas J *Horm Metab Res* 6: 532, Nov 74 (Eng)

THE CONTROL OF ADENYLATE CYCLASE BY CALCIUM IN TURKEY ERYTHROCYTE GHOSTS. Steer ML, Levitzki A *J Biol Chem* 250: 2080-4, 25 Mar 75 (Eng)

[ACTIVITY OF THE KALLIKREIN-KININ SYSTEM IN EXPERIMENTAL MYOCARDIAL INFARCT IN DOGS AND THE EFFECT OF CATECHOLAMINES] Stukalova TI, Lazareva SA, Ternovaia LA *Vopr Med Khim* 21: 88-91, Jan-Feb 75 (Rus)

[PLASMA NORADRENALINE AND ADRENALINE, PLASMA RENIN ACTIVITY AND CYCLIC AMP DURING REST PERIOD AND ORTHOSTATIS IN VARIOUS TYPES OF HYPERTENSION] Brecht HM, Musil HA, Vlachoyannis J, Schoeppe W *Verh Dtsch Ges Inn Med* 80: 245-8, 1974 (Ger)

[ROLE OF HOMEOSTASIS IN ANIMAL RADIOSENSITIVITY] Grayskaia BM, Nechaev IA, Zolotareva NN *Zh Obshch Biol* 36: 135-41, Jan-Feb 1975 (Rus)

2.B.3.2 NOREPINEPHRINE

POTENTIATION OF THE ADRENERGIC BETA-RECEPTOR-MEDIATED INSULIN SECRETION IN PERTUSSIS-SENSITIZED RATS. Sumi T, Ui M *Endocrinology* 97: 352-8, Aug 75 (Eng)

[STRESS SENSITIVITY AND ADAPTATION] Baumann K *Z Gesamte Inn Med* 30: suppl017-30 concl, 15 Apr 75 (Ger)

BROWN ADIPOSE TISSUE MITOCHONDRIA. Flatmark T, Pedersen JI *Biochim Biophys Acta* 416: 53-103, 31 Mar 75 (Eng) [226]

[RESULTS OF A STUDY ON THE CIRCADIAN RHYTHM OF CATECHOLAMINE EXCRETION ON NORMAL SUBJECTS AND THOSE WITH HIGH EXCRETION LEVELS (AUTHORS TRANSL.)] Wisser H, Knoll E *Clin Chim Acta* 59: 1-7, 22 Feb 75 (Ger)

THE NYCTOHEMERAL RHYTHM OF PLASMA PROLACTIN: EFFECTS OF GANGLIONECTOMY, PINEALECTOMY, CONSTANT LIGHT, CONSTANT DARKNESS OR 6-OH-DOPAMINE ADMINISTRATION. Kizer JS, Zivim JA, Jacobowitz DM, Kopin IJ *Endocrinology* 96: 1230-40, May 75 (Eng)

ADRENERGIC LIPOLYSIS IN HUMAN ADIPOSE TISSUE IN VITRO. Wenkeova J, Kuhn E, Wenke M *Eur J Pharmacol* 30: 49-55, Jan 75 (Eng)

SUBCELLULAR DISTRIBUTION AND INCORPORATION OF PALMITATE-U-14C INTO MYOCARDIAL LIPIDS: ROLE OF ENDOGENOUS AND EXOGENOUS CATECHOLAMINES. Mathur PP, Mokler CM *J Mol Cell Cardiol* 7: 17-26, Jan 75 (Eng)

THE ADRENAL MEDULLA: A MODEL FOR STUDIES OF HORMONAL AND NEURONAL STORAGE AND RELEASE MECHANISMS. Helle KB, Serck-Hanssen G *Mol Cell Biochem* 6: 127-46, 28 Feb 75 (Eng) [118]

ADRENERGIC RECEPTORS IN ADIPOSE TISSUE AND THEIR RELATION TO ADRENERGIC INNERVATION. Rosell S, Belfrage E *Nature* 253: 738-9, 27 Feb 75 (Eng)

BIPHASIC EFFECT OF 5-GUANYLYLMIDODIPHOSPHATE ON FAT CELL ADENYLATE CYCLASE. Ebert R, Schwabe U *Naunyn Schmiedeberg Arch Pharmacol* 286: 297-313, 1974 (Eng)

CIRCADIAN PITUITARY ADRENAL RHYTHMS. Krieger DT *Adv Exp Med Biol* 54: 169-89, 1975 (Eng)

ENDOCRINE RHYTHMS ASSOCIATED WITH PINEAL GLAND FUNCTION. Reiter RJ *Adv Exp Med Biol* 54: 43-78, 1975 (Eng)

INHIBITOR OF CATECHOLAMINE-INDUCED FREE FATTY ACID MOBILIZATION FROM THE CALF MIDBRAIN. Hollett CR *Biochem Pharmacol* 23: 989-98, 1 Mar 74 (Eng)

THE EFFECT OF DIETARY LIPIDS ON LIPOLYSIS IN RAT ADIPOSE TISSUE. Larking PW, Nye ER *Br J Nutr* 33: 291-7, Mar 75 (Eng)

HYPERDIPSIA INDUCED BY BILATERAL DESTRUCTION OF THE LOCUS COERULEUS IN RATS. Osumi Y, Oishi R, Fujiwara H, Takaori S *Brain Res* 86: 419-27, 28 Mar 75 (Eng)

EVIDENCE AGAINST A MEDIATORY ROLE OF BROWN ADIPOSE TISSUE IN THE CALORIGENIC RESPONSE OF COLD-ACCLIMATED RATS TO NORADRENALINE. Foster DO *Can J Physiol Pharmacol* 52: 1051-62, Dec 74 (Eng)

THE CALORIGENIC ACTION OF NOREPINEPHRINE IN RATS AFTER HYPOPHYSECTOMY. Muller D, Kersten L, Ankermann H *Experientia* 31: 343-4, 15 Mar 75 (Eng)

INTRA-AXONAL TRANSPORT OF NORADRENALINE: INHIBITION BY FLUORIDE. Mraz P *Folia Morphol (Praha)* 22: 276-7, 1974 (Eng)

[RESPONSES TO EXOGENOUS NOREPINEPHRINE IN RATS REARED IN COLD FOR SUCCESSIVE GENERATIONS, WITH SPECIAL REFERENCE TO CHANGES IN METABOLITES IN THE BLOOD (AUTHORS TRANSL.)] Moriya K, Maekubo H, Ito S *Hokkaido J Med Sci* 49: 98-102, Mar 74 (Jpn)

EFFECTS OF DIET AND EXERCISE ON CATECHOLAMINE EXCRETION. Sonka J, Kopecka J, Pavlova A, Zbirikova A, Stas J *Horm Metab Res* 6: 532, Nov 74 (Eng)

METABOLIC ACTIVITY OF BROWN ADIPOSE TISSUE DURING DEVELOPMENT. Kunes J, Vizek K, Drahota Z *Physiol Bohemoslov* 21: 609-14, 1972 (Eng)

[PLASMA NORADRENALINE AND ADRENALINE, PLASMA RENIN ACTIVITY AND CYCLIC AMP DURING REST PERIOD AND ORTHOSTATIS IN VARIOUS TYPES OF HYPERTENSION] Brecht HM, Musil HA, Vlachoyannis J, Schoeppe W *Verh Dtsch Ges Inn Med* 80: 245-8, 1974 (Ger)

NOREPINEPHRINE CONCENTRATION IN HEART MUSCLE AND HYPOTHALAMUS DURING ACIDOSIS IN THE RAT. Karpati P, Preda I, Endroczi E *Acta Physiol Acad Sci Hung* 43: 315-20, 1973 (Eng)

STUDIES ON THE ADRENERGIC GLYCOGENOLYTIC RECEPTOR IN MAN. Szczawinska K, Szczawinski R, Badyda C, Cenajek D *Acta Physiol Pol* 25: 43-7, Jan-Feb 74 (Eng)

2.B.4 ADRENALECTOMY

EFFECT OF MEAL-FEEDING ON THE DAILY VARIATIONS OF INSULIN, GLUCOSE, AND NADP-LINKED DEHYDROGENASES IN RATS. Kaul L, Berdianier CD *J Nutr* 105: 1132-40, Sep 75 (Eng)

EFFECT OF PANCREATECTOMY OR ADRENALECTOMY ON THE RESPONSES OF RATS TO MEAL-FEEDING. Kaul L, Berdianier CD *J Nutr* 105: 1176-85, Sep 75 (Eng)

[ELECTRON MICROSCOPIC CHANGES IN RAT HYPOPHYSIS FOLLOWING ADRENALECTOMY AND ACTH ADMINISTRATION. II. NEURONAL LOBE OF THE HYPOPHYSIS] Danielewicz-Kotowicz A *Neuropatol Pol* 13: 49-59, Jan-Mar 75 (Pol)

EFFECT OF ACTH ON LIPOLYSIS IN ADIPOSE TISSUE OF NORMAL AND ADRENALECTOMIZED RATS IN VIVO. Sprovskov MZ, Kovacev VP, Spasovska M, Chernick SS *Am J Physiol* 228: 382-5, Feb 75 (Eng)

2.B.5 ADRENAL DISORDERS

[BARTTERS SYNDROME AND TUBULAR FUNCTIONAL DISTURBANCES] Fricker H, Frey K, Vallotton MB, Gugler E *Helv Paediatr Acta* 30: 61-77, May 75 (Ger)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: METABOLIC COMPLICATIONS. Anonymous *Kidney Int [Suppl]* 73-6, Oct 74 (Eng)

[ENDOCRINE DWARFISM. 3. DIAGNOSIS AND THERAPY OF NONHYPOTHALAMIC-NON-PITUITARY ENDOCRINE DWARFISM] Hesse V *Kinderarztl Prax* 43: 217-26, May 75 (Ger)

[PROBLEMS RAISED BY CORTICOID THERAPY IN CHILDREN] Mathieu H *Rev Prat* 25: 1151-8, 11 Mar 75 (Fre)

THE DIAGNOSTIC VALUE OF HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL FUNCTION TESTS IN PATIENTS WITH CUSHINGS SYNDROME. Hashimoto K *Acta Med Okayama* 29: 111-26, Apr 75 (Eng)

TIME SERIES ANALYSIS OF HORMONAL PATTERNS IN HUMAN PLASMA. Vagnucci AH, Wong AK, Liu TS *Comput Biomed Res* 7: 513-32, Dec 74 (Eng)

CIRCADIAN PITUITARY ADRENAL RHYTHMS. Krieger DT *Adv Exp Med Biol* 54: 169-89, 1975 (Eng)

[PROCEEDINGS: RESPONSES OF PLASMA ACTH, GH, LH, FSH, TSH AND PROLACTIN IN CUSHINGS SYNDROME] Hashimoto K, Asaoka K, Mori M, Yokoyama M, Miyoshi M *Folia Endocrinol Jpn* 50: 537, 20 Feb 74 (Jpn)

[CARCINOMA OF THE ADRENAL CORTEX] Dzburin DS, Michin IV, Popovich S, Manoilovich DL, Dzordzhevich P *Probl Endokrinol (Mosk)* 20: 51-6, May-Jun 74 (Rus)

2.C THYROID GLAND

[THE FUNCTIONAL CYTOCHEMISTRY OF AMINE PRECURSOR UPTAKE AND DECARBOXYLATION (APUD) CELLS AND ITS USES IN PATHOLOGY] Berger G, Barthelemy C,

2.D PARATHYROID GLANDS

Tabib A *Ann Anat Pathol (Paris)* 19: 371-98, Oct-Dec 74 (Fre)

GLYCOPROTEIN BIOSYNTHESIS: STUDIES ON THYROID MANNOSYLTRANSFERASES. I. ACTION ON GLYCOPOLYMERIDES AND SIMPLE GLYCOSIDES. Adamany AM, Spiro RG *J Biol Chem* 250: 830-41, 25 Apr 75 (Eng)

BETA-ADRENERGIC STIMULATION OF CYCLIC AMP AND PROTEIN KINASE ACTIVITY IN THE THYROID. Spaulding SW, Burrow GN *Nature* 254: 347-9, 27 Mar 75 (Eng)

2.C.1 THYROID HORMONES

THE EFFECT OF HYPOGLYCEMIA ON HYPOTHALAMIC THYROTROPIN-RELEASING HORMONE (HRH) IN THE RAT. Leung Y, Guansing AR, Ajlouni K, Hagen TC, Rosenfeld PS, Barboriak JJ *Endocrinology* 97: 380-4, Aug 75 (Eng)

STUDIES ON THE ACTION OF HORMONES ON THE INTESTINAL TRANSPORT OF L-HISTIDINE. Kansal VK, Wagle DS *Indian J Physiol Pharmacol* 19: 28-33, Jan-Mar 75 (Eng)

ECTOPIC HORMONE PRODUCTION. Smith LH *Surg Gynecol Obstet* 141: 443-53, Sep 75 (Eng) [203]

[SOMATOTROPIN INSUFFICIENCY. I. METABOLIC AND HORMONAL DISORDERS] Popa M *Stud Cercet Endocrinol* 23: 219-34, 1972 (Rum) [87]

[GLUCOSE TOLERANCE AND THYROID FUNCTION] Voss C, Lorenz C, Ratzmann L, Hartmann N *Acta Biol Med Ger* 33: 515-20, 1974 (Ger)

PASMA GROWTH HORMONE RESPONSES TO THYROTROPIN-RELEASING HORMONE IN THE URETHANE-ANESTHETIZED RAT. Kato Y, Chihara K, Maeda K, Ogo S, Okanishi Y *Endocrinology* 96: 1114-8, May 75 (Eng)

STUDY OF THE MECHANISM OF THYROID HORMONE SECRETION IN AN IN VITRO MODEL SYSTEM: INDIRECT EVIDENCE FOR FUSION OF LYSOSOMES WITH THYROGLOBULIN LIPOSOMES. Kawada K, kadota T, Yoshimura Y, Kurata M *Endocrinology* 96: 1196-200, May 75 (Eng)

EFFECT OF PHYSICAL TRAINING ON THE METABOLISM OF THYROID HORMONES IN MAN. Balsam A, Leppo LE *J Appl Physiol* 38: 212-5, Feb 75 (Eng)

CYCLIC NUCLEOTIDE PHOSPHODIESTERASES AND THYROID HORMONES. Van Inwegen RG, Robison GA, Thompson WJ *J Biol Chem* 250: 2452-6, 10 Apr 75 (Eng)

ANALYSIS OF THE REQUIREMENTS FOR PARATHYROID HORMONE ACTION IN RENAL MEMBRANES WITH THE USE OF INHIBITING ANALOGUES. Goltzmann D, Peytremann A, Callahan E, Tregear GW, Potts JT Jr *J Biol Chem* 250: 3199-203, 25 Apr 75 (Eng)

ENHANCEMENT OF SOMATOMEDIN TITERS OF NORMAL AND HYPOPITUITARY SERA BY ADDITION OF L-TRIiodOTHYRONONE IN VITRO AT PHYSIOLOGICAL CONCENTRATIONS. Audhya TK, Gibson KC *Proc Natl Acad Sci USA* 72: 604-8, Feb 75 (Eng)

[LIPID-LOWERING EFFECT OF D,L-ALPHA-METHYL THYROXINE ETHYL ESTER (CG-635) AND ITS INFLUENCE ON BASAL METABOLIC RATE, HEART AND THYROID GLAND] Kuwashima J, Tsuboi T, Fujitani B, Ishikawa K, Nakamura K *J Pharm Soc Jpn* 94: 1541-9, Dec 74 (Jpn)

THE EFFECT OF THYROCALCITONIN AND GROWTH HORMONES ON BONE METABOLISM. Klein IE *J Prosthet Dent* 33: 365-79, Apr 75 (Eng)

[FUNCTIONAL STATE OF THE THYROID GLAND IN ESSENTIAL OBESITY] Dronova NE *Probl Endokrinol (Mosk)* 20: 42-6, May-Jun 74 (Rus)

HYPERLIPIDEMIA: TO TREAT OR NOT TO TREAT. Parsons WB Jr *Ariz Med* 32: 323-8, Apr 75 (Eng)

2.C.2 THYROID ANTAGONISTS

[GLUCOSE TOLERANCE AND THYROID FUNCTION] Voss C, Lorenz C, Ratzmann L, Hartmann N *Acta Biol Med Ger* 33: 515-20, 1974 (Ger)

CYCLIC NUCLEOTIDE PHOSPHODIESTERASES AND THYROID HORMONES. Van Inwegen RG, Robison GA, Thompson WJ *J Biol Chem* 250: 2452-6, 10 Apr 75 (Eng)

2.C.3 THYROID DISORDERS

CARBOHYDRATE TOLERANCE IN AUTOIMMUNE THYROIDITIS. Finucane JF *Diabetes* 24: 829-32, Sep 75 (Eng)

BASEMENT MEMBRANE DISEASES: A REVIEW. Read S *Guys Hosp Rep* 123: 53-65, 1974 (Eng) [32]

[ENDOCRINE DWARFISM. 3. DIAGNOSIS AND THERAPY OF NONHYPOTHALAMIC-NON-PITUITARY ENDOCRINE DWARFISM] Hesse V *Kinderarztl Prax* 43: 217-26, May 75 (Ger)

LETTER: THE ENDOGENOUS CATABOLIC TRAUMATIC TRIAD SYNDROME. DiNicola AF *NZ Med J* 82: 27-8, 9 Jul 75 (Eng)

[SERUM LEVELS OF GROWTH HORMONE IN THE COURSE OF INSULIN-INDUCED HYPOGLYCEMIA IN HYPERTHYROIDISM AND HYPOTHYROIDISM] Schneider E *Pol Tyg Lek* 30: 1311-3, 4-11 Aug 75 (Pol)

[INFLUENCE OF EXPERIMENTAL HYPERTHYROIDISM ON THE METABOLISM OF RADIOACTIVE INSULIN AT THE LEVEL OF THE LIVER IN RATS] Costiner E, Simionescu L, Oprescu M *Stud Cercet Endocrinol* 23: 253-8, 1972 (Rum)

[GLUCOSE TOLERANCE AND THYROID FUNCTION] Voss C, Lorenz C, Ratzmann L, Hartmann N *Acta Biol Med Ger* 33: 515-20, 1974 (Ger)

LABORATORY DIAGNOSIS OF DEGENERATIVE JOINT DISEASE. Schumacher HR Jr *Ann Clin Lab Sci* 5: 242-7, Jul-Aug 75 (Eng)

CYCLIC NUCLEOTIDE PHOSPHODIESTERASES AND THYROID HORMONES. Van Inwegen RG, Robison GA, Thompson WJ *J Biol Chem* 250: 2452-6, 10 Apr 75 (Eng)

2.D PARATHYROID GLANDS

EFFECT OF CHLORPROPAMIDE ON RENAL RESPONSE TO PARATHYROID HORMONE IN NORMAL SUBJECTS AND IN PATIENTS WITH HYPOPARATHYROIDISM AND PSEUDOHYPOPARATHYROIDISM. Coulson R, Moses AM *J Pharmacol Exp Ther* 194: 603-13, Sep 75 (Eng)

INSULIN AND GLUCOSE METABOLISM IN RENAL INSUFFICIENCY. Reaven GM, Weiss-

inger JR, Swenson RS *Kidney Int [Suppl]* 63-9, Oct 74 (Eng) [39]

ECTOPIC HORMONE PRODUCTION. Smith LH *Surg Gynecol Obstet* 141: 443-53, Sep 75 (Eng) [203]

GLUCAGON-BLOOD CATECHOLAMINE TEST: USE IN ISOLATED AND FAMILIAL PHEOCHROMOCYTOMA. Siqueira-Filho AG, Sheps SG, Maher FT, Jiang NS, Elveback LR *Arch Intern Med* 135: 1227-31, Sep 75 (Eng)

REQUIREMENTS FOR DIVALENT CATIONS BY HORMONAL MITOGENS AND THEIR INTERACTIONS WITH SEX STEROIDS. Morgan JI, Hall AK, Perris AD *Biochem Biophys Res Commun* 66: 188-94, 2 Sep 75 (Eng)

MICROTUBULES AND THE INTRACELLULAR CONVERSION OF PROPARATHYROID HORMONE TO PARATHYROID HORMONE. Kemper B, Habener JF, Rich A, Potts JT Jr *Endocrinology* 96: 903-12, Apr 75 (Eng)

ANALYSIS OF THE REQUIREMENTS FOR PARATHYROID HORMONE ACTION IN RENAL MEMBRANES WITH THE USE OF INHIBITING ANALOGUES. Goltzmann D, Peytremann A, Callahan E, Tregear GW, Potts JT Jr *J Biol Chem* 250: 3199-203, 25 Apr 75 (Eng)

2.E PITUITARY GLAND

[THE FUNCTIONAL CYTOCHEMISTRY OF AMINE PRECURSOR UPTAKE AND DECARBOXYLATION (APUD) CELLS AND ITS USES IN PATHOLOGY] Berger G, Barthelemy C, Tabib A *Ann Anat Pathol (Paris)* 19: 371-98, Oct-Dec 74 (Fre)

ULTRASTRUCTURAL STUDY OF THE UPTAKE OF PEROXIDASE BY THE RAT MEDIAN EMINENCE. Pelletier G, Dupont A, Puviani R *Cell Tissue Res* 156: 521-32, 1975 (Eng)

PURIFICATION OF A FIBROBLAST GROWTH FACTOR FROM BOVINE PITUITARY. Gospodarowicz D *J Biol Chem* 250: 2515-20, 10 Apr 75 (Eng)

EFFECT OF GONADAL HORMONES ON ENZYME ACTIVITIES IN BRAIN AND PITUITARY OF MALE AND FEMALE RATS. Luine VN, Khylichevskaya RI, McEwen BS *Brain Res* 86: 283-92, 21 Mar 75 (Eng)

[PROCEEDINGS: GLUCOSE AND 2-KETOGLUTARATE OXIDATION IN THE HYPOTHALAMUS AND THE ANTERIOR PITUITARY LOBE] Sato A, Onaya T, Yamada T *Folia Endocrinol Jpn* 50: 259, 20 Feb 74 (Jpn)

[PROCEEDINGS: DIENCEPHALON-PITUITARY-ADRENAL SYSTEM AND CYCLIC AMP] Makino E, Matsushima Y, Masaka M, Yamamoto M, Kumagai A *Folia Endocrinol Jpn* 50: 469, 20 Feb 74 (Jpn)

[PROCEEDINGS: EFFECT OF ACTIVATED AMINES ON CYCLIC GMP LEVELS OF THE CEREBRAL CORTEX, HYPOTHALAMUS AND ANTERIOR PITUITARY GLAND] Sato A, Onaya T, Yamada T *Folia Endocrinol Jpn* 50: 476, 20 Feb 74 (Jpn)

2.E.1 PITUITARY HORMONES, ANTERIOR

[PROCEEDINGS: ACTION OF RELEASING HORMONES ON VARIOUS ANTERIOR PITUITARY HORMONE SECRETION: ACROMEGALY] Miyai K, Onishi T, Hashimoto T, Sawazaki N, Hosokawa M *Folia Endocrinol Jpn* 50: 275, 20 Feb 74 (Jpn)

2.E PITUITARY GLAND

2.E.1.1 CORTICOTROPIN

STUDIES ON THE ACTION OF HORMONES ON THE INTESTINAL TRANSPORT OF L-HISTIDINE. Kansal VK, Wagle DS *Indian J Physiol Pharmacol* 19: 28-33, Jan-Mar 75 (Eng)

INHIBITION OF BASAL AND HORMONE-STIMULATED ADENYLATE CYCLASE IN ADIPOCYTE GHOSTS BY THE PROSTAGLANDIN ENDOPEROXIDE PROSTAGLANDIN H₂. Gorman RR, Hamberg M, Samuelsson B *J Biol Chem* 250: 6460-3, 25 Aug 75 (Eng)

ECTOPIC HORMONE PRODUCTION. Smith LH *Surg Gynecol Obstet* 141: 443-53, Sep 75 (Eng) [203]

[SOMATOTROPIN INSUFFICIENCY. I. METABOLIC AND HORMONAL DISORDERS] Popa M *Stud Cercet Endocrinol* 23: 219-34, 1972 (Rum) [87]

THE DIAGNOSTIC VALUE OF HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL FUNCTION TESTS IN PATIENTS WITH CUSHINGS SYNDROME. Hashimoto K *Acta Med Okayama* 29: 111-26, Apr 75 (Eng)

HYPOGLYCEMIA IN HYPOPITUITARY CHILDREN. Hopwood NJ, Forsman PJ, Kenny FM, Drash AL *Am J Dis Child* 129: 918-26, Aug 75 (Eng)

HISTOCHEMICAL OBSERVATIONS ON UPTAKE OF L-DOPA INTO ENDOCRINE CELLS OF THE RAT PITUITARY GLAND DURING THE POSTNATAL DEVELOPMENT. Partanen S, Rechardt L, Back N *Cell Tissue Res* 156: 451-61, 1975 (Eng)

MULTIPLE INHIBITORY AND ACTIVATING EFFECTS OF NUCLEOTIDES AND MAGNESIUM ON ADRENAL ADENYLATE CYCLASE. Londres C, Rodbell M *J Biol Chem* 250: 3459-65, 10 May 75 (Eng)

PROSTAGLANDINS AND OBESITY. Curtis-Prior PB *Lancet* 1: 897-9, 19 Apr 75 (Eng)

EFFECTS OF VARIOUS HORMONES ON THE PITUITARY-ADRENAL AXIS. Kitay JJ *Adv Exp Med Biol* 54: 155-67, 1975 (Eng)

CIRCADIAN PITUITARY ADRENAL RHYTHMS. Krieger DT *Adv Exp Med Biol* 54: 169-89, 1975 (Eng)

[PROCEEDINGS: RESPONSES OF PLASMA ACTH, GH, LH, FSH, TSH AND PROLACTIN IN CUSHINGS SYNDROME] Hashimoto K, Asaoka K, Mori M, Yokoyama M, Miyoshi M *Folia Endocrinol Jpn* 50: 537, 20 Feb 74 (Jpn)

[ELECTRON MICROSCOPIC CHANGES IN RAT HYPOPHYSIS FOLLOWING ADRENALECTOMY AND ACTH ADMINISTRATION. II. NEURONAL LOBE OF THE HYPOPHYSIS] Danielewicz-Kotowicz A *Neuropathol Pol* 13: 49-59, Jan-Mar 75 (Pol)

[CARCINOMA OF THE ADRENAL CORTEX] Dzharin DS, Michin IV, Popovich S, Manoilovich DL, Dzordzhovich P *Probl Endokrinol (Mosk)* 20: 51-6, May-Jun 74 (Rus)

EFFECT OF ACTH ON LIPOLYSIS IN ADIPOSE TISSUE OF NORMAL AND ADRENALECTOMIZED RATS IN VIVO. Spirovski MZ, Kovacev VP, Spasovska M, Chernick SS *Am J Physiol* 228: 382-5, Feb 75 (Eng)

2.E.1.2 SOMATOTROPIN

[GROWTH HORMONE AND INSULIN CURVE FOLLOWING GLUCOSE LOADING IN PATIENTS WITH ACROMEGALY] Kolaszynski J, Owczarczyk I, Pawlikowski M *Endokrynol Pol* 26: 265-9, May-Jun 75 (Pol)

EFFECT OF GLUCOSE ON THE GROWTH HORMONE RESPONSE TO L-DOPA IN NORMAL AND DIABETIC SUBJECTS. Ajlouni K, Martinson DR, Hagen TC *Diabetes* 24: 633-6, Jul 75 (Eng)

EFFECT OF PHYSICAL EXERCISE ON SECRETION OF GROWTH HORMONE, GLUCAGON, AND CORTISOL IN OBESE AND DIABETIC CHILDREN. Garlaschi C, di Natale B, del Guercio MJ, Caccamo A, Gargantini L, Chiomello G *Diabetes* 24: 758-61, Aug 75 (Eng)

COMPARISON OF I¹²⁵-INSULIN BINDING AND DEGRADATION TO ISOLATED RAT HEPATOCYTES AND LIVER MEMBRANES. Olefsky J, Johnson J, Liu F, Edwards P, Baur S *Diabetes* 24: 801-10, Sep 75 (Eng)

STUDIES ON GROWTH HORMONE SECRETION. VII. EFFECTS OF SOMATOSTATIN ON PLASMA GH, INSULIN, AND GLUCAGON IN SHEEP. Bryce D, Yeh M, Funderburk C, Todd H, Hertelendy F *Diabetes* 24: 842-50, Sep 75 (Eng)

[THE PATHOGENESIS OF POSTOPERATIVE DISTURBANCES OF CARBOHYDRATE METABOLISM] Stremmel W *Infusionstherapie* 1: 294-304, Apr 74 (Ger)

UNDER-RESPONSIVENESS OF GROWTH HORMONE SECRETION AFTER L-DOPA AND DEEP SLEEP STIMULATION IN OBESE SUBJECTS. Laurian L, Oberman Z, Ayalon D, Cordova T, Herzberg M, Horer E, Harell A *Isr J Med Sci* 11: 482-7, May 75 (Eng)

METABOLIC RHYTHMS IN NORMAL AND DIABETIC MAN. STUDIES IN INSULIN-TREATED DIABETES. Alberti KG, Dornhorst A, Rowe AS *Isr J Med Sci* 11: 571-80, Jun 75 (Eng)

RADIORECEPTOR-INACTIVE GROWTH HORMONE ASSOCIATED WITH STIMULATED SECRETION IN NORMAL SUBJECTS. Sneed DS, Jacobs LS, Weldon VV, Trivedi BL, Daughaday HJ *Clin Endocrinol Metab* 41: 471-4, Sep 75 (Eng)

CIRCULATING NSILA-S IN MAN: PRELIMINARY STUDIES OF STIMULI IN VIVO AND OF BINDING TO PLASMA COMPONENTS. Megyesi K, Kahn CR, Roth J, Gorden P *Clin Endocrinol Metab* 41: 475-84, Sep 75 (Eng)

THE INHIBITORY EFFECT OF SOMATOSTATIN ON GROWTH HORMONE, INSULIN AND GLUCAGON SECRETION IN DIABETES MELLITUS. Ward FR, Leblanc H, Yen SS *J Clin Endocrinol Metab* 41: 527-32, Sep 75 (Eng)

INSULIN AND GLUCOSE METABOLISM IN RENAL INSUFFICIENCY. Reaven GM, Weisinger JR, Swenson RS *Kidney Int [Suppl]* 63-9, Oct 74 (Eng) [39]

ENDOCRINOLOGY AND METABOLISM IN UREMIA AND DIALYSIS: A CLINICAL REVIEW. Feldman HA, Singer I *Medicine (Baltimore)* 54: 345-76, Sep 75 (Eng)

INTERACTION OF ENDOGENOUS GROWTH HORMONE, CORTISOL, AND CATECHOLAMINES WITH BLOOD GLUCOSE IN CHILDREN WITH BRITTLE DIABETES MELLITUS. Bruck E, MacGillivray MH *Pediatr Res* 9: 535-41, Jun 75 (Eng)

STIMULATION OF GROWTH HORMONE SECRETION BY LEVODOPA-PROPRANOLOL IN CHILDREN AND ADOLESCENTS. Anonymous *Pediatrics* 56: 262-6, Aug 75 (Eng)

[SERUM LEVELS OF GROWTH HORMONE IN THE COURSE OF INSULIN-INDUCED HYPOGLYCEMIA IN HYPERTHYROIDISM

AND HYPOTHYROIDISM] Schneider E *Pol Tyg Lek* 30: 1311-3, 4-11 Aug 75 (Pol)

ECTOPIC HORMONE PRODUCTION. Smith LH *Surg Gynecol Obstet* 141: 443-53, Sep 75 (Eng) [203]

[SOMATOTROPIN INSUFFICIENCY. I. METABOLIC AND HORMONAL DISORDERS] Popa M *Stud Cercet Endocrinol* 23: 219-34, 1972 (Rum) [87]

PATHOGENESIS OF DIABETIC RETINOPATHY. Oberman AE *Trans Pac Coast Ophthalmol Soc* 55: 167-77, 1974 (Eng) [21]

HYPOTHALAMIC AND PITUITARY FUNCTION IN HYPOGONADOTROPIC HYPOGONADISM. Paulson DF, Wiebe HR, Hammond CB *Urology* 6: 333-6, Sep 75 (Eng)

BEHAVIOR OF PANCREATIC GLUCAGON, INSULIN, AND HGH IN LIVER CIRRHOSIS AFTER ARGININE AND LV. GLUCOSE. Greco AV, Ghirlanda G, Patrono C, Fedili G, Manna R *Acta Diabetol Lat* 11: 330-9, Jul-Aug 74 (Eng)

HYPOGLYCEMIA IN HYPOPITUITARY CHILDREN. Hopwood NJ, Forsman PJ, Kenny FM, Drash AL *Am J Dis Child* 129: 918-26, Aug 75 (Eng)

CATECHOLAMINES AND EXERCISE-INDUCED GLUCAGON AND FATTY ACID MOBILIZATION IN THE RAT. Luyckx AS, Dresse A, Cession-Fossion A, Lefebvre PJ *Am J Physiol* 229: 376-83, Aug 75 (Eng)

CARBOHYDRATE INTOLERANCE IN CARCINOMA OF THE LUNG. Ennis GC, Cameron DP, Burger HG *Aust NZ J Med* 4: 555-60, Dec 74 (Eng)

THE EFFECT OF CARBENOXOLONE SODIUM ON THE PLASMA 11-HYDROXYCORTICOID LEVELS IN CHRONIC GASTRIC ULCERATION. Gollan JL, Hecker R, Mackinnon AM *Aust NZ J Med* 5: 231-4, Jun 75 (Eng)

HISTOCHEMICAL OBSERVATIONS ON UPTAKE OF L-DOPA INTO ENDOCRINE CELLS OF THE RAT PITUITARY GLAND DURING THE POSTNATAL DEVELOPMENT. Partanen S, Rechardt L, Back N *Cell Tissue Res* 156: 451-61, 1975 (Eng)

TIME SERIES ANALYSIS OF HORMONAL PATTERNS IN HUMAN PLASMA. Vagnucci AH, Wong AK, Liu TS *Comput Biomed Res* 7: 513-32, Dec 74 (Eng)

AMINO TERMINAL RESIDUE HETEROGENEITY OF BOVINE AND OVINE GROWTH HORMONES AS REVEALED BY POLYACRYLAMIDE GEL ELECTROPHORESIS. Lorenson MG, Ellis S *Endocrinology* 96: 833-8, Apr 75 (Eng)

EFFECTS OF SOMATOSTATIN AND HYPOTHALAMIC VENTROMEDIAL LESIONS ON GH RELEASE INDUCED BY MORPHINE. Martin JB, Audet J, Saunders A *Endocrinology* 96: 839-47, Apr 75 (Eng)

EFFECTS OF PORCINE STALK MEDIAN EMINENCE AND PROSTAGLANDIN E₂ ON RAT GROWTH HORMONE SECRETION IN VIVO AND THEIR INHIBITION BY SOMATOSTATIN. Szabo M, Frohman LA *Endocrinology* 96: 955-61, Apr 75 (Eng)

PASMA GROWTH HORMONE RESPONSES TO THYROTROPIN-RELEASING HORMONE IN THE URETHANE-ANESTHETIZED RAT. Kato Y, Chihara K, Maeda K, Ogo S, Okanishi Y *Endocrinology* 96: 1114-8, May 75 (Eng)

EFFECTS OF BOVINE GROWTH HORMONE, HUMAN PLACENTAL LACTOGEN AND OVINE PROLACTIN ON INTESTINAL FLUID

2.E PITUITARY GLAND

- AND ION TRANSPORT IN THE RAT. Mainoya JR *Endocrinology* 96: 1165-70, May 75 (Eng)
- [PROCEEDINGS: STUDY OF GIF (GROWTH HORMONE INHIBITING FACTOR). (II). EFFECT OF GIF ON PLASMA GH AND PROLACTIN LEVELS OF RATS TREATED WITH NEMBUTOL AND CHLORPROMAZINE] Sawano S, Kokubu T, Ishizuka Y, Baba Y *Folia Endocrinol Jpn* 50: 269, 20 Feb 74 (Jpn)
- STUDIES ON THE COMMON ACTIVE SITE OF GROWTH HORMONE. REVISION OF THE AMINO ACID SEQUENCE OF AN ACTIVE FRAGMENT OF BOVINE GROWTH HORMONE. Yamasaki N, Shimanaka J, Sonenberg M *J Biol Chem* 250: 2510-4, 10 Apr 75 (Eng)
- GROWTH HORMONE AND CORTISOL IN NEONATES DURING PHOTOTHERAPY. von Muhlendahl KE, Ballowitz L *Z Kinderheilkd* 119: 53-8, 1975 (Eng)
- ENDOCRINE RHYTHMS ASSOCIATED WITH PINEAL GLAND FUNCTION. Reiter RJ *Adv Exp Med Biol* 54: 43-78, 1975 (Eng)
- QUANTITATIVE ULTRASTRUCTURAL STUDY OF THE ADRENAL CORTEX: EFFECTS OF A MAMMOTROPIC PITUITARY TUMOR PRODUCING GROWTH HORMONE AND PROLACTIN (MTT-W10), AND OF INJECTED GROWTH HORMONE IN THE RAT. Nickerson PA *Albrecht von Graefes Arch Klin Ophthalmol* 194: 52-62, 1975 (Eng)
- [EVOLUTION OF DIFFERENT TYPES OF ADIPOSE DEPOSITS AFTER BIRTH IN NORMAL OR HYPOPHYSECTOMIZED SHEEP MERINOS DARLES] Vezinhet A, Prudhon M, Benevent M *Ann Biol Anim Biochim Biophys* 14: 117-29, 1974 (Fre)
- [ANALYSIS OF GROWTH HORMONE BY THE TIBIA TEST: IMPORTANCE OF THE CHOICE OF ANIMALS] Charrier J *Ann Biol Anim Biochim Biophys* 14: 371-5, 1974 (Fre)
- [MEASURE OF PITUITARY SOMATOTROPIC ACTIVITY BY THE TIBIA TEST: EFFECT OF CERTAIN PHYSICAL TREATMENTS OF THE PITUITARY] Charrier J *Ann Biol Anim Biochim Biophys* 14: 377-81, 1974 (Fre)
- [METHODS FOR THE DETERMINATION OF SOMATOTROPIN LEVELS USING THE RADIOIMMUNOLOGIC METHOD] Kraemer P, Hnikova O, Korpancova J, Satrapa T *Cesk Fysiol* 24: 73-7, 1975 (Cze)
- ISOLATION AND BIOLOGICAL CHARACTERIZATION OF FRAGMENTS OF HUMAN GROWTH HORMONE PRODUCED BY DIGESTION WITH PLASMIN. Reagan CR, Mills JB, Kostoy JL, Wilhelm AE *Endocrinology* 96: 625-36, Mar 75 (Eng)
- CONVERSION OF [125I]GROWTH HORMONE INTO HIGH MOLECULAR WEIGHT FORMS IN VIVO. Antoniadis HN *Endocrinology* 96: 799-802, Mar 75 (Eng)
- THE CALORIGENIC ACTION OF NOREPINEPHRINE IN RATS AFTER HYPOPHYSECTOMY. Muller D, Kersten L, Ankeremann H *Experientia* 31: 343-4, 15 Mar 75 (Eng)
- [PROCEEDINGS: RADIORECEPTOR ASSAY OF GROWTH HORMONE AND PROLACTIN (2)] Matsuzaki F, Suzuki K *Folia Endocrinol Jpn* 50: 178, 20 Feb 74 (Jpn)
- [PROCEEDINGS: EFFECT OF NICOTINE ON GROWTH HORMONE AND PROLACTIN SECRETION IN RATS] Kato Y, Chihara K, Maeda K, Daigo K, Imura H *Folia Endocrinol Jpn* 50: 266, 20 Feb 74 (Jpn)
- [PROCEEDINGS: EFFECT OF TRH ON PITUITARY HORMONE, ESPECIALLY GROWTH HORMONE SECRETION, IN DEPRESSION] Maeda K, Yamaguchi N, Kato Y, Chihara K, Taigo K *Folia Endocrinol Jpn* 50: 267, 20 Feb 74 (Jpn)
- [PROCEEDINGS: GIF (GROWTH HORMONE INHIBITING FACTOR). (I). BIOLOGICAL ACTIVITIES OF CYCLIZED AND LINEAR GIF IN VITRO] Sawano S, Baba Y *Folia Endocrinol Jpn* 50: 268, 20 Feb 74 (Jpn)
- [PROCEEDINGS: SOMATOTROPIN-RELEASE INHIBITING FACTOR] Kaneko T, Oka H, Munemura M, Oda T, Yamashita K *Folia Endocrinol Jpn* 50: 270, 20 Feb 74 (Jpn)
- [PROCEEDINGS: REGULATORY MECHANISM OF GROWTH HORMONE SECRETION IN RATS] Chihara K, Daigo K, Maeda K, Kato Y, Imura H *Folia Endocrinol Jpn* 50: 271, 20 Feb 74 (Jpn)
- [PROCEEDINGS: BIOLOGICAL ACTION OF GROWTH HORMONE SECRETION INHIBITING FACTOR] Oshima K, Nabusa K, Isobe J, Saito S, Nagao T *Folia Endocrinol Jpn* 50: 272, 20 Feb 74 (Jpn)
- [PROCEEDINGS: GROWTH HORMONE (CGH) SECRETION IN THE DOG DURING SLEEPING. 3. THE EFFECT OF LIGHT, DARKNESS AND SLEEP INTERRUPTION] Takahashi K, Takahashi Y, Hoda H, Tsushima T, Irie M *Folia Endocrinol Jpn* 50: 273, 20 Feb 74 (Jpn)
- [PROCEEDINGS: ROLE OF ACTIVE AMINES IN GROWTH HORMONE SECRETION: WITH SPECIAL REFERENCE TO INTERACTION OF VARIOUS AMINES] Nakai Y, Kurahachi H, Minamino M, Yoshimi T, Fukase M *Folia Endocrinol Jpn* 50: 279, 20 Feb 74 (Jpn)
- [PROCEEDINGS: EFFECT OF PITUITARY STALK SECTION ON GROWTH HORMONE AND CORTISOL SECRETION IN RHESUS MONKEY] Kuwayama A, Shintani A, Kageyama N, Zervas NT *Folia Endocrinol Jpn* 50: 280, 20 Feb 74 (Jpn)
- [PROCEEDINGS: FLUCTUATION OF GROWTH HORMONE LEVELS IN THE BLOOD CAUSED BY EXERCISES WITH SPECIAL REFERENCE TO SEX DIFFERENCES] Ino T, Tokoro A, Iki Y, Sugimoto T, Umehara C *Folia Endocrinol Jpn* 50: 281, 20 Feb 74 (Jpn)
- [PROCEEDINGS: ETIOLOGICAL CONSIDERATION IN ACROMEGALY: ON THE MULTIRECEPTOR OF THE GROWTH HORMONE SECRETING CELLS] Onaya T, Tsukui T, Sato A, Kobayashi R, Iwasa Y *Folia Endocrinol Jpn* 50: 282, 20 Feb 74 (Jpn)
- [PROCEEDINGS: PITUITARY APOPLEXY COMPLICATING THE CLINICAL COURSE OF ACROMEGALY] Abe T, Hino M, Shimoyama A, Hirata Y *Folia Endocrinol Jpn* 50: 283, 20 Feb 74 (Jpn)
- [PROCEEDINGS: EFFECTS OF GLUCOSE AND ARGinine ON SYNTHESIS AND SECRETION OF PITUITARY GROWTH HORMONE AND PROLACTIN IN RATS] Kusai K, Ieiri S, Yamamoto K *Folia Endocrinol Jpn* 50: 285, 20 Feb 74 (Jpn)
- [PROCEEDINGS: RADIOIMMUNOASSAY OF GROWTH HORMONE AND PROLACTIN IN THE CULTURE FLUID DERIVED FROM PITUITARY TUMOR] Idemura R, Ichikawa K, Maeda T, Odagiri E, Suda T *Folia Endocrinol Jpn* 50: 289, 20 Feb 74 (Jpn)
- [PROCEEDINGS: RESPONSES OF PLASMA ACTH, GH, LH, FSH, TSH AND PROLACTIN IN CUSHINGS SYNDROME] Hashimoto K, Asaoka K, Mori M, Yokoyama M, Miyoshi M *Folia Endocrinol Jpn* 50: 537, 20 Feb 74 (Jpn)
- [PROCEEDINGS: DEFICIENCIES OF GROWTH HORMONE, THYROID STIMULATING HORMONE AND GONAD STIMULATING HORMONE IN A BROTHER AND SISTER] Shishiba Y, Shimizu T, Ozawa Y, Kawabata T *Folia Endocrinol Jpn* 50: 625, 20 Feb 74 (Jpn)
- [PROCEEDINGS: ISOLATED GROWTH HORMONE DEFICIENCY IN 2 SETS OF SIBLINGS] Ichikawa K, Idemura R, Takano K, Odagiri E, Maeda T *Folia Endocrinol Jpn* 50: 628, 20 Feb 74 (Jpn)
- [PROCEEDINGS: HYPOTHALAMIC OBESITY IN MAN] Ishikawa K, Yamamoto A, Nishikawa M *Folia Endocrinol Jpn* 50: 648, 20 Feb 74 (Jpn)
- INHIBITION OF GROWTH HORMONE AND THYROTROPIN RELEASE BY GROWTH HORMONE-RELEASE INHIBITING HORMONE. Belanger A, Labrie F, Borgeat P, Savary M, Cote J, Drouin J, Schally AV, Coy DH, Coy EJ, Sestanek K, Nelson V, Gotz M, Immer H *Mol Cell Endocrinol* 1: 329-39, Oct 74 (Eng)
- THE EFFECTS OF HIGH TREATMENT ON SOMATOMEDIN LEVELS IN THE SERUM (AS DETERMINED BY 35-S UPTAKE INTO CARTILAGE). Schimpff RM, Donnadieu M, Gourmelen M, Girard F *Horm Metab Res* 6: 494-8, Nov 74 (Eng)
- MONTHLY VARIATIONS OF SERUM LEVELS OF THYROTROPIN, GROWTH HORMONE AND CORTISOL IN MAN. Golstein J, Van Cauter E, Leclercq R, Copinschi G, Vanhaelst L *Horm Metab Res* 6: 506-9, Nov 74 (Eng)
- A SENSITIVE, RAPID, AND ECONOMIC RADIOIMMUNOASSAY OF HUMAN GROWTH HORMONE USING ETHANOL-AMMONIUM ACETATE. Saito T, Saxena BB *J Lab Clin Med* 85: 497-504, Mar 75 (Eng)
- THE EFFECT OF THYROCALCITONIN AND GROWTH HORMONES ON BONE METABOLISM. Klein IE *J Prosthet Dent* 33: 365-79, Apr 75 (Eng)
- CIRCADIAN VARIATION OF INTEGRATED CONCENTRATION OF GROWTH HORMONE IN CHILDREN AND ADULTS. Plotnick LP, Thompson RG, Kowarski A, de Lacerda L, Migeon CJ, Blizzard RM *Nature* 253: 240-7, 13 Feb 75 (Eng)
- [STRUCTURE AND PROPERTIES OF HYPOPHYSAL HORMONES. II. PROTEIN HORMONES OF THE HYPOPHYSIS] Pankov luA *Probl Endokrinol (Mosk)* 20: 104-14, May-Jun 74 (Rus) [78]
- [THE SERUM LEVEL OF SULFATATION FACTOR (SOMATOMEDINE) IN GROWTH RETARDATIONS, CEREBRAL GIGANTISM AND ACROMEGALY] Lecornu M *Arch Fr Pediatr* 30: 595-608, Jun-Jul 73 (Fre)
- HUMAN GROWTH HORMONE RESPONSE TO LEVODOPA. RELATION TO MENOPAUSE, DEPRESSION, AND PLASMA DOPA CONCENTRATION. Sachar EJ, Altman N, Gruen PH, Glassman A, Halpern FS, Sassin J *Arch Gen Psychiatry* 32: 502-3, Apr 75 (Eng)

2.E.1.3 THYROTROPIN

- THE EFFECT OF HYPOGLYCEMIA ON HYPOTHALAMIC THYROTROPIN-RELEASING HORMONE (HRH) IN THE RAT. Leung Y, Guansing AR, Ajlouni K, Hagen TC, Rosenfeld PS, Barboriak JJ *Endocrinology* 97: 380-4, Aug 75 (Eng)
- COMPARISON OF 125-I-INSULIN BINDING AND DEGRADATION TO ISOLATED RAT HEPATOCYTES AND LIVER MEMBRANES. Olefsky J, Johnson J, Liu F, Edwards P, Baur S *Diabetes* 24: 801-10, Sep 75 (Eng)

2.E PITUITARY GLAND

INHIBITION OF BASAL AND HORMONE-STIMULATED ADENYLATE CYCLASE IN ADIPOCYTE GHOSTS BY THE PROSTAGLANDIN ENDOPEROXIDE PROSTAGLANDIN H2. Gorman RR, Hamburg M, Samuelsson B *J Biol Chem* 250: 6460-3, 25 Aug 75 (Eng)

ECTOPIC HORMONE PRODUCTION. Smith LH *Surg Gynecol Obstet* 141: 443-53, Sep 75 (Eng) [203]

[SOMATOTROPIN INSUFFICIENCY. I. METABOLIC AND HORMONAL DISORDERS] Popa M *Stud Cercet Endocrinol* 23: 219-34, 1972 (Rum) [87]

[PROCEEDINGS: TSH RESPONSE IN TRH LOADING TEST IN PATIENTS WITH OBESITY. 2. A COMPARISON WITH THIN PATIENTS] Suzuki A, Kato T, Maruyama H, Suzuki H, Takabayashi Y *Folia Endocrinol Jpn* 50: 111, 20 Feb 74 (Jpn)

[PROCEEDINGS: RESPONSES OF PLASMA ACTH, GH, LH, FSH, TSH AND PROLACTIN IN CUSHINGS SYNDROME] Hashimoto K, Asaoka K, Mori M, Yokoyama M, Miyoshi M *Folia Endocrinol Jpn* 50: 537, 20 Feb 74 (Jpn)

[PROCEEDINGS: DEFICIENCIES OF GROWTH HORMONE, THYROID STIMULATING HORMONE AND GONAD STIMULATING HORMONE IN A BROTHER AND SISTER] Shishiba Y, Shimizu T, Ozawa Y, Kawabata T *Folia Endocrinol Jpn* 50: 625, 20 Feb 74 (Jpn)

INHIBITION OF GROWTH HORMONE AND THYROTROPIN RELEASE BY GROWTH HORMONE-RELEASE INHIBITING HORMONE. Belanger A, Labrie F, Borgeat P, Savary M, Cote J, Drouin J, Schally AV, Coy DH, Coy EJ, Sestanj K, Nelson V, Gotz M, Immer H *Mol Cell Endocrinol* 1: 329-39, Oct 74 (Eng)

MONTHLY VARIATIONS OF SERUM LEVELS OF THYROTROPIN, GROWTH HORMONE AND CORTISOL IN MAN. Golstein J, Van Cauter E, Leclercq R, Copinschi G, Vanhaelst L *Horm Metab Res* 6: 506-9, Nov 74 (Eng)

BETA-ADRENERGIC STIMULATION OF CYCLIC AMP AND PROTEIN KINASE ACTIVITY IN THE THYROID. Spaulding SW, Burrow GN *Nature* 254: 347-9, 27 Mar 75 (Eng)

[STRUCTURE AND PROPERTIES OF HYPOPHYSAL HORMONES. II. PROTEIN HORMONES OF THE HYPOPHYSIS] Pankov luA *Probl Endokrinol (Mosk)* 20: 104-14, May-Jun 74 (Rus) [78]

2.E.1.4 GONADOTROPINS, PITUITARY

IN VITRO STIMULATION OF HUMAN BREAST TISSUE BY HUMAN PROLACTIN. Dilley WG, Kister SJ *J Natl Cancer Inst* 55: 35-6, Jul 75 (Eng)

ORIGINAL ARTICLES. Assies J, Schellekens AP, Touber JL *Neth J Med* 17: 163-73, 1974 (Eng)

HYPOTHALAMIC AND PITUITARY FUNCTION IN HYPOGONADOTROPIC HYPOGONADISM. Paulson DF, Wiebe HR, Hammond CB *Urology* 6: 333-6, Sep 75 (Eng)

FURTHER STUDIES ON THE ACTION OF PROLACTIN ON FLUID AND ION ABSORPTION BY THE RAT JEJUNUM. Mainoya JR *Endocrinology* 96: 1158-64, May 75 (Eng)

EFFECTS OF BOVINE GROWTH HORMONE, HUMAN PLACENTAL LACTOGEN AND OVINE PROLACTIN ON INTESTINAL FLUID AND ION TRANSPORT IN THE RAT. Mainoya JR *Endocrinology* 96: 1165-70, May 75 (Eng)

THE NYCTHEMERAL RHYTHM OF PLASMA PROLACTIN: EFFECTS OF GANGLIONEC-

TOMY, PINEALECTOMY, CONSTANT LIGHT, CONSTANT DARKNESS OR 6-OH-DOPAMINE ADMINISTRATION. Kizer JS, Zivin JA, Jacobowitz DM, Kopin IJ *Endocrinology* 96: 1230-40, May 75 (Eng)

[PROCEEDINGS: STUDY OF GIF (GROWTH HORMONE INHIBITING FACTOR). (II). EFFECT OF GIF ON PLASMA GH AND PROLACTIN LEVELS OF RATS TREATED WITH NEMBTOL AND CHLORPROPAMINE] Sawano S, Kokubu T, Ishizuka Y, Baba Y *Folia Endocrinol Jpn* 50: 269, 20 Feb 74 (Jpn)

ENDOCRINE RHYTHMS ASSOCIATED WITH PINEAL GLAND FUNCTION. Reiter RJ *Adv Exp Med Biol* 54: 43-78, 1975 (Eng)

QUANTITATIVE ULTRASTRUCTURAL STUDY OF THE ADRENAL CORTEX: EFFECTS OF A MAMMOTROPIC PITUITARY TUMOR PRODUCING GROWTH HORMONE AND PROLACTIN (MTT-W10), AND OF INJECTED GROWTH HORMONE IN THE RAT. Nickerson PA *Albrecht von Graefes Arch Klin Ophthalmol* 194: 52-62, 1975 (Eng)

[ROLE OF THE HYPOTHALAMUS IN THE REGULATION OF PITUITARY GONADOTROPINS SECRETION] Jutisz M *Endokrynol Pol* 25: 437-47, Nov-Dec 74 (Pol)

[PROCEEDINGS: PITUITARY HORMONE RESPONSE TO SERIAL INJECTIONS OF RELEASING HORMONE. 2] Nakagawa M *Folia Endocrinol Jpn* 50: 101, 20 Feb 74 (Jpn)

[PROCEEDINGS: RADIORECEPTOR ASSAY OF GROWTH HORMONE AND PROLACTIN (2)] Matsuzaki F, Suzuki K *Folia Endocrinol Jpn* 50: 178, 20 Feb 74 (Jpn)

[PROCEEDINGS: SIGNIFICANCE OF GLYCOGEN METABOLISM OF THE ANTERIOR PITUITARY LOBE IN THE MECHANISMS OF LH AND FSH RELEASE] Makino T, Takahata H, Shiina M, Iizuka R, Ono T *Folia Endocrinol Jpn* 50: 260, 20 Feb 74 (Jpn)

[PROCEEDINGS: EFFECT OF NICOTINE ON GROWTH HORMONE AND PROLACTIN SECRETION IN RATS] Kato Y, Chihara K, Maeda K, Daigo K, Imura H *Folia Endocrinol Jpn* 50: 266, 20 Feb 74 (Jpn)

[PROCEEDINGS: PRF ACTIVITY OF THE BOVINE HYPOTHALAMUS] Kokubu T, Shiraki M, Sawano S, Ishizuka Y, Yamazaki M *Folia Endocrinol Jpn* 50: 274, 20 Feb 74 (Jpn)

[PROCEEDINGS: EFFECTS OF GLUCOSE AND ARGININE ON SYNTHESIS AND SECRETION OF PITUITARY GROWTH HORMONE AND PROLACTIN IN RATS] Kasai K, Ieiri S, Yamamoto K *Folia Endocrinol Jpn* 50: 285, 20 Feb 74 (Jpn)

[PROCEEDINGS: SECRETION DYNAMICS OF HUMAN PROLACTIN] Ebara Y, Igarashi M, Yen SS *Folia Endocrinol Jpn* 50: 288, 20 Feb 74 (Jpn)

[PROCEEDINGS: RADIOIMMUNOASSAY OF GROWTH HORMONE AND PROLACTIN IN THE CULTURE FLUID DERIVED FROM PITUITARY TUMOR] Idemura R, Ichikawa K, Maeda T, Odagiri E, Suda T *Folia Endocrinol Jpn* 50: 289, 20 Feb 74 (Jpn)

[PROCEEDINGS: PROLACTIN SECRETION DYNAMICS IN NORMAL SUBJECTS] Shimamoto K, Orimo H *Folia Endocrinol Jpn* 50: 295, 20 Feb 74 (Jpn)

[PROCEEDINGS: HUMAN PROLACTIN SECRETION DYNAMICS IN VARIOUS ENDOCRINE DISEASES] Ogawa N, Miyoshi M, Hanabusa M, Yokoyama H, Furuno K *Folia Endocrinol Jpn* 50: 296, 20 Feb 74 (Jpn)

[PROCEEDINGS: RESPONSES OF PLASMA ACTH, GH, LH, FSH, TSH AND PROLACTIN IN CUSHINGS SYNDROME] Hashimoto K, Asaoka K, Mori M, Yokoyama M, Miyoshi M *Folia Endocrinol Jpn* 50: 537, 20 Feb 74 (Jpn)

INHIBITION OF GROWTH HORMONE AND THYROTROPIN RELEASE BY GROWTH HORMONE-RELEASE INHIBITING HORMONE. Belanger A, Labrie F, Borgeat P, Savary M, Cote J, Drouin J, Schally AV, Coy DH, Coy EJ, Sestanj K, Nelson V, Gotz M, Immer H *Mol Cell Endocrinol* 1: 329-39, Oct 74 (Eng)

[STRUCTURE AND PROPERTIES OF HYPOPHYSAL HORMONES. II. PROTEIN HORMONES OF THE HYPOPHYSIS] Pankov luA *Probl Endokrinol (Mosk)* 20: 104-14, May-Jun 74 (Rus) [78]

IMPERMEABILITY OF THE SHEEP PLACENTA TOWARDS ENDOGENOUS PROLACTIN. Alexander DP, Britton HG, Buttle HL, Nixon DA *Res Vet Sci* 14: 271-2, Mar 73 (Eng)

[CHRONIC GONADOTROPIC HORMONE (A REVIEW OF THE LITERATURE)] Maisaia GI, Bakradze GA *Akush Ginekol (Mosk)* 49: 27-30, Apr 73 (Rus)

2.E.2 PITUITARY HORMONES, POSTERIOR

CAN THE OXYTOCIN CHALLENGE TEST SERVE AS THE PRIMARY METHOD FOR MANAGING HIGH-RISK PREGNANCIES Hayden BL, Simpson JL, Ewing DE, Otterson WN *Obstet Gynecol* 46: 251-4, Sep 75 (Eng)

ECTOPIC HORMONE PRODUCTION. Smith LH *Surg Gynecol Obstet* 141: 443-53, Sep 75 (Eng) [203]

FURTHER STUDIES ON THE ACTION OF PROLACTIN ON FLUID AND ION ABSORPTION BY THE RAT JEJUNUM. Mainoya JR *Endocrinology* 96: 1158-64, May 75 (Eng)

2.E.3 PITUITARY HORMONES, INTERMEDIATE

ECTOPIC HORMONE PRODUCTION. Smith LH *Surg Gynecol Obstet* 141: 443-53, Sep 75 (Eng) [203]

EFFECTS OF VARIOUS HORMONES ON THE PITUITARY-ADRENAL AXIS. Kitay JJ *Adv Exp Med Biol* 54: 155-67, 1975 (Eng)

ENDOCRINE RHYTHMS ASSOCIATED WITH PINEAL GLAND FUNCTION. Reiter RJ *Adv Exp Med Biol* 54: 43-78, 1975 (Eng)

THE EFFECTS OF LIGHT ON MAN AND OTHER MAMMALS. Wurtman RJ *Annu Rev Physiol* 37: 467-83, 1975 (Eng) [62]

EFFECT OF DIBUTYRYL CYCLIC AMP ON THE RELEASE OF MELANOCYTE-STIMULATING HORMONE FROM RAT NEUROINTERMEDIATE LOBES IN VITRO. Baker RJ *J Endocrinol* 63: 533-8, Dec 74 (Eng)

2.E.4 PITUITARY HORMONE RELEASING FACTORS

THE EFFECT OF HYPOGLYCEMIA ON HYPOTHALAMIC THYROTROPIN-RELEASING HORMONE (HRH) IN THE RAT. Leung Y, Guansing AR, Ajlouni K, Hagen TC, Rosenfeld PS, Barborigi JJ *Endocrinology* 97: 380-4, Aug 75 (Eng)

PASMA GROWTH HORMONE RESPONSES TO THYROTROPIN-RELEASING HORMONE IN

2.F GONADS

THE URETHANE-ANESTHETIZED RAT. Kato Y, Chihara K, Maeda K, Ogo S, Okanishi Y *Endocrinology* 96: 1114-8, May 75 (Eng)

CIRCADIAN PITUITARY ADRENAL RHYTHMS. Krieger DT *Adv Exp Med Biol* 54: 169-89, 1975 (Eng)

[PROCEEDINGS: PITUITARY HORMONE RESPONSE TO SERIAL INJECTIONS OF RELEASING HORMONE. 2] Nakagawa M *Folia Endocrinol Jpn* 50: 101, 20 Feb 74 (Jpn)

[PROCEEDINGS: TSH RESPONSE IN TRH LOADING TEST IN PATIENTS WITH OBESITY. 2. A COMPARISON WITH THIN PATIENTS] Suzuki A, Kato T, Maruyama H, Suzuki H, Takabayashi Y *Folia Endocrinol Jpn* 50: 111, 20 Feb 74 (Jpn)

[PROCEEDINGS: EFFECT OF TRH ON PITUITARY HORMONE, ESPECIALLY GROWTH HORMONE SECRETION, IN DEPRESSION] Maeda K, Yamaguchi N, Kato Y, Chihara K, Taigo K *Folia Endocrinol Jpn* 50: 267, 20 Feb 74 (Jpn)

[PROCEEDINGS: PRF ACTIVITY OF THE BOVINE HYPOTHALAMUS] Kokubu T, Shiraki M, Sawano S, Ishizuka Y, Yamazaki M *Folia Endocrinol Jpn* 50: 274, 20 Feb 74 (Jpn)

[PROCEEDINGS: ACTION OF RELEASING HORMONES ON VARIOUS ANTERIOR PITUITARY HORMONE SECRETION: ACROMEGALY] Miyai K, Onishi T, Hashimoto T, Sawazaki N, Hosokawa M *Folia Endocrinol Jpn* 50: 275, 20 Feb 74 (Jpn)

INTRINSIC TRYPTOPHAN FLUORESCENCE OF MEMBRANES OF GH3 PITUITARY CELLS: QUENCHING BY THYROTROPIN-RELEASING HORMONE. Imae T, Fasman GD, Hinkle PM, Tashjian AH Jr *Biochem Biophys Res Commun* 62: 923-32, 17 Feb 75 (Eng)

2.E.5 HYPOPHYSECTOMY

[AN ACUTE DIABETIC SYNDROME INDUCED IN RATS BY ANTI-INSULIN SERUM AS AN EXPERIMENTAL MODEL FOR THE STUDY OF SEVERAL ANTIDIABETIC AGENTS] Andreev D, Strashimirov D, Ditsov S, Dassev G *Eksp Med Morfol* 13: 95-101, 1974 (Bul)

[DIABETIC RETINOPATHY] Gerritzen FM *Ned Tijdschr Geneesk* 119: 964-9, 14 Jun 75 (Dut)

TIME RELATIONSHIPS IN HORMONE RESPONSES: INCREASED OVARIAN LACTIC ACID PRODUCTION IN VITRO AND ESTROGEN PRODUCTION IN VIVO IN IMMATURE FEMALE RATS TREATED WITH PMS. Sashida T, Johnson DC *Biol Reprod* 12: 212-22, Mar 75 (Eng)

THE EFFECT OF FETAL HYPOPHYSECTOMY ON PLACENTAL BIOSYNTHESIS OF PROGESTERONE IN RHESUS. Hagamenas FC, Baughman WL, Kittinger GW *Endocrinology* 96: 1059-62, Apr 75 (Eng)

FURTHER STUDIES ON THE ACTION OF PROLACTIN ON FLUID AND ION ABSORPTION BY THE RAT JEJUNUM. Mainoya JR *Endocrinology* 96: 1158-64, May 75 (Eng)

EFFECTS OF BOVINE GROWTH HORMONE, HUMAN PLACENTAL LACTOGEN AND OVINE PROLACTIN ON INTESTINAL FLUID AND ION TRANSPORT IN THE RAT. Mainoya JR *Endocrinology* 96: 1165-70, May 75 (Eng)

ENHANCEMENT OF SOMATOMEDIN TITERS OF NORMAL AND HYPOPHYSECTOMY SERA BY ADDITION OF L-TRIODOXYTHYRONINE IN VITRO AT PHYSIOLOGICAL CONCENTRATIONS. Audhya TK, Gibson KD *Proc Natl Acad Sci USA* 72: 604-8, Feb 75 (Eng)

[ANALYSIS OF GROWTH HORMONE BY THE TIBIA TEST: IMPORTANCE OF THE CHOICE OF ANIMALS] Charrier J *Ann Biol Anim Biochim Biophys* 14: 371-5, 1974 (Fre)

ISOLATION AND BIOLOGICAL CHARACTERIZATION OF FRAGMENTS OF HUMAN GROWTH HORMONE PRODUCED BY DIGESTION WITH PLASMIN. Reagan CR, Mills JB, Kostyo JL, Wilhelm AE *Endocrinology* 96: 625-36, Mar 75 (Eng)

THE CALORIGENIC ACTION OF NOREPINEPHRINE IN RATS AFTER HYPOPHYSECTOMY. Muller D, Kersten L, Ankermann H *Experientia* 31: 343-4, 15 Mar 75 (Eng)

[PROCEEDINGS: EFFECT OF PITUITARY STALK SECTION ON GROWTH HORMONE AND CORTISOL SECRETION IN RHESUS MONKEY] Kuwayama A, Shintani A, Kageyama N, Zervas NT *Folia Endocrinol Jpn* 50: 280, 20 Feb 74 (Jpn)

2.E.6 PITUITARY DISORDERS

[GROWTH HORMONE AND INSULIN CURVE FOLLOWING GLUCOSE LOADING IN PATIENTS WITH ACROMEGALY] Kolaszynski J, Owczarczyk I, Pawlikowski M *Endokrynol Pol* 26: 265-9, May-Jun 75 (Pol)

ALTERED HYPOTHALAMIC-PITUITARY-ADRENAL RESPONSIVENESS TO DEXAMETHASONE-INSULIN TOLERANCE TEST IN ACTIVE ACROMEGALY. Hofeldt FD, Levin SR, Von Werder K, Becker N, Schneider V, Hane S, Seymour R, Adams JE, Forsham PH Jr *Clin Endocrinol Metab* 41: 399-401, Aug 75 (Eng)

RADIORECEPTOR-INACTIVE GROWTH HORMONE ASSOCIATED WITH STIMULATED SECRETION IN NORMAL SUBJECTS. Sneid DS, Jacobs LS, Weldon VV, Trivedi BL, Daughaday H Jr *Clin Endocrinol Metab* 41: 471-4, Sep 75 (Eng)

CIRCULATING NSILA-S IN MAN: PRELIMINARY STUDIES OF STIMULI IN VIVO AND OF BINDING TO PLASMA COMPONENTS. Megyesi K, Kahn CR, Roth J, Gorden P *J Clin Endocrinol Metab* 41: 475-84, Sep 75 (Eng)

[THE OCCURRENCE OF DIABETES MELITUS, DIABETES INSIPIDUS, OPTIC ATROPHY AND NEUROGENIC DEAFNESS IN ONE PATIENT (AUTHORS TRANSL)] Foerster K, Spranger J, Beyer J, Regli F *J Neurol* 210: 71-6, 4 Aug 75 (Ger)

LETTER: CHLORPROPAMIDE POISONING AND DIABETES INSIPIDUS. De Troyer A, Ectors M, Hubert JP *Lancet* 2: 514, 13 Sep 75 (Eng)

[ACROMEGALY ASSOCIATED WITH PACHYDERMOPERIOSTOSIS] Chini V *Minerva Med* 66: 2717-28, 29 Aug 75 (Ita)

[PROBLEMS RAISED BY CORTICOID THERAPY IN CHILDREN] Mathieu H *Rev Prat* 25: 1151-8, 11 Mar 75 (Fre)

[SOMATOTROPIN INSUFFICIENCY. I. METABOLIC AND HORMONAL DISORDERS] Popa M *Stud Cercet Endocrinol* 23: 219-34, 1972 (Rum) [87]

[THE DIABETIC ATONIC ENLARGED BLADDER] Genin R *Acta Urol Belg* 43: 101-6, Jan 75 (Fre)

COMPARATIVE STUDY OF GROWTH IN ASTHMATIC CHILDREN AND OTHER CHILDREN WITH CHRONIC DISEASE TO A CONTROL GROUP. Cernelc D, Cernelc M *Allerg Immunol (Leipz)* 20-21: 7-13, 1974-75 (Eng)

HYPOGLYCEMIA IN HYPOPHYSECTOMY CHILDREN. Hopwood NJ, Forsman PJ, Kenny FM, Drash AL *Am J Dis Child* 129: 918-26, Aug 75 (Eng)

LABORATORY DIAGNOSIS OF DEGENERATIVE JOINT DISEASE. Schumacher HR Jr *Ann Clin Lab Sci* 5: 242-7, Jul-Aug 75 (Eng)

ENHANCEMENT OF SOMATOMEDIN TITERS OF NORMAL AND HYPOPHYSECTOMY SERA BY ADDITION OF L-TRIODOXYTHYRONINE IN VITRO AT PHYSIOLOGICAL CONCENTRATIONS. Audhya TK, Gibson KD *Proc Natl Acad Sci USA* 72: 604-8, Feb 75 (Eng)

[METHODS FOR THE DETERMINATION OF SOMATOTROPIN LEVELS USING THE RADIOIMMUNOLOGICAL METHOD] Kracmar P, Hnikova O, Korpancova J, Sutrapa T *Cesk Fysiol* 24: 73-7, 1975 (Cze)

[PROCEEDINGS: ACTION OF RELEASING HORMONES ON VARIOUS ANTERIOR PITUITARY HORMONE SECRETION: ACROMEGALY] Miyai K, Onishi T, Hashimoto T, Sawazaki N, Hosokawa M *Folia Endocrinol Jpn* 50: 275, 20 Feb 74 (Jpn)

[PROCEEDINGS: ETIOLOGICAL CONSIDERATION IN ACROMEGALY: ON THE MULTIRECEPTOR OF THE GROWTH HORMONE SECRETING CELLS] Onaya T, Tsukui T, Sato A, Kobayashi R, Iwasa Y *Folia Endocrinol Jpn* 50: 282, 20 Feb 74 (Jpn)

[PROCEEDINGS: PITUITARY APOPLEXY COMPLICATING THE CLINICAL COURSE OF ACROMEGALY] Abe T, Hino M, Shimoyama A, Hirata Y *Folia Endocrinol Jpn* 50: 283, 20 Feb 74 (Jpn)

[PROCEEDINGS: RADIOIMMUNOASSAY OF GROWTH HORMONE AND PROLACTIN IN THE CULTURE FLUID DERIVED FROM PITUITARY TUMOR] Idemura T, Ichikawa K, Maeda T, Odagiri E, Suda T *Folia Endocrinol Jpn* 50: 289, 20 Feb 74 (Jpn)

THE EFFECTS OF HGH TREATMENT ON SOMATOMEDIN LEVELS IN THE SERUM (AS DETERMINED BY 35-S UPTAKE INTO CARTILAGE). Schimpff RM, Donnadiu M, Gournelen M, Girard F *Horm Metab Res* 6: 494-8, Nov 74 (Eng)

A SENSITIVE, RAPID, AND ECONOMIC RADIOIMMUNOASSAY OF HUMAN GROWTH HORMONE USING ETHANOL-AMMONIUM ACETATE. Saito T, Saxena BB Jr *Lab Clin Med* 85: 497-504, Mar 75 (Eng)

[THE SERUM LEVEL OF SULFATATION FACTOR (SOMATOMEDINE) IN GROWTH RETARDATIONS, CEREBRAL GIGANTISM AND ACROMEGALY] Lecornu M *Arch Fr Pediatr* 30: 595-608, Jun-Jul 73 (Fre)

2.F GONADS

THE EFFECTS OF LIGHT ON MAN AND OTHER MAMMALS. Wurtman RJ *Annu Rev Physiol* 37: 467-83, 1975 (Eng) [62]

2.F.1 OVARY

TIME RELATIONSHIPS IN HORMONE RESPONSES: INCREASED OVARIAN LACTIC ACID PRODUCTION IN VITRO AND ESTROGEN PRODUCTION IN VIVO IN IMMATURE FEMALE RATS TREATED WITH PMS. Sashida T, Johnson DC *Biol Reprod* 12: 212-22, Mar 75 (Eng)

STEROID HORMONE-RESPONSIVE, ISOLATED ENDOMETRIAL CELLS. Pietras RJ,

Szego CM *Endocrinology* 96: 946-54, Apr 75 (Eng)

PURIFICATION OF A FIBROBLAST GROWTH FACTOR FROM BOVINE PITUITARY. Gospodarowicz D *J Biol Chem* 250: 2515-20, 10 Apr 75 (Eng)

EFFECTS OF VARIOUS HORMONES ON THE PITUITARY-ADRENAL AXIS. Kitay JI *Adv Exp Med Biol* 54: 155-67, 1975 (Eng)

EFFECT OF GONADAL HORMONES ON ENZYME ACTIVITIES IN BRAIN AND PITUITARY OF MALE AND FEMALE RATS. Luine VN, Khylichevskaya RI, McEwen BS *Brain Res* 86: 283-92, 21 Mar 75 (Eng)

2.F.2 TESTIS

COMPARATIVE STUDY OF THE PATHOLOGY OF SUCROSE-INDUCED DIABETES IN THE RAT AND ADULT-ONSET DIABETES IN MAN. Rosenmann E, Yanko L, Cohen AM *Isr J Med Sci* 11: 753-61, Jul 75 (Eng)

EFFECTS OF VARIOUS HORMONES ON THE PITUITARY-ADRENAL AXIS. Kitay JI *Adv Exp Med Biol* 54: 155-67, 1975 (Eng)

EFFECT OF GONADAL HORMONES ON ENZYME ACTIVITIES IN BRAIN AND PITUITARY OF MALE AND FEMALE RATS. Luine VN, Khylichevskaya RI, McEwen BS *Brain Res* 86: 283-92, 21 Mar 75 (Eng)

2.F.3 SEX HORMONES

2.F.3.1 ANDROGENS

DIFFERENCES IN PROLIFERATIVE ACTIVITY OF RAT AND HUMAN PROSTATE IN CULTURE. Shipman PA, Littlewood V, Riches AC, Thomas GH *Br J Cancer* 31: 570-80, May 75 (Eng)

EFFECT OF FIBRINOLYTIC TREATMENT IN MALIGNANT ATROPHIC PAPULOSIS. Delaney TJ, Black MM *Br Med J* 3: 415, 16 Aug 75 (Eng)

[FAVORABLE RESULTS OF ANABOLIC THERAPY IN CASES OF RETINAL DEGENERATION] Sobieska-Clarowa H *Klin Oczna* 45: 811-4, Jul 75 (Pol)

THE DIAGNOSTIC VALUE OF HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL FUNCTION TESTS IN PATIENTS WITH CUSHINGS SYNDROME. Hashimoto K *Acta Med Okayama* 29: 111-26, Apr 75 (Eng)

BEHCETS SYNDROME: CLINICAL, IMMUNOLOGICAL AND THERAPEUTIC EVALUATION OF 17 PATIENTS. Cooper DA, Penny R *Aust NZ J Med* 4: 585-96, Dec 74 (Eng)

REQUIREMENTS FOR DIVALENT CATIONS BY HORMONAL MITOGENS AND THEIR INTERACTIONS WITH SEX STEROIDS. Morgan JI, Hall AK, Perris AD *Biochem Biophys Res Commun* 66: 188-94, 2 Sep 75 (Eng)

EFFECTS OF VARIOUS HORMONES ON THE PITUITARY-ADRENAL AXIS. Kitay JI *Adv Exp Med Biol* 54: 155-67, 1975 (Eng)

CIRCADIAN PITUITARY ADRENAL RHYTHMS. Krieger DT *Adv Exp Med Biol* 54: 169-89, 1975 (Eng)

EFFECT OF GONADAL HORMONES ON ENZYME ACTIVITIES IN BRAIN AND PITUITARY OF MALE AND FEMALE RATS. Luine VN, Khylichevskaya RI, McEwen BS *Brain Res* 86: 283-92, 21 Mar 75 (Eng)

ESTROGEN SYNTHESIS BY THE PREGNANT BABOON. Kling OR, Rubin EJ, Townsley JD *J Med Primatol* 1: 102-13, 1972 (Eng)

[MICROSOME-ASSOCIATED 17BETA-HYDROXYSTEROID DEHYDROGENASES OF HUMAN PLACENTA, II KINETIC STUDIES AND CHARACTERIZATION OF THE SOLUBILIZED ESTRADIOL-AND TESTOSTERONE-SENSITIVE 17BETA-HSD-ACTIVITIES] Pollow K, Runge W, Pollow B *Z Naturforsch [C]* 30: 17-24, Jan-Feb 75 (Ger)

2.F.3.2 ESTROGENS

STUDIES ON THE MASS FRAGMENTOGRAPHIC DETERMINATION OF PLASMA ESTRIOL. Adlercreutz H, Nylander P, Hunneman DH *Biomed Mass Spectrom* 1: 332-9, Oct 74 (Eng)

EFFECT OF FIBRINOLYTIC TREATMENT IN MALIGNANT ATROPHIC PAPULOSIS. Delaney TJ, Black MM *Br Med J* 3: 415, 16 Aug 75 (Eng)

[INFLUENCE OF OVULATION INHIBITORS ON GLUCOSE METABOLISM] Hausmann L, Kafarnik H *Dtsch Med Wochenschr* 100: 1703-9, 22 Aug 75 (Ger) [59]

SEX STEROID INFLUENCE ON TRIGLYCERIDE METABOLISM. Kim HJ, Kalkhoff RK *J Clin Invest* 56: 888-96, Oct 75 (Eng)

CAN THE OXYTOCIN CHALLENGE TEST SERVE AS THE PRIMARY METHOD FOR MANAGING HIGH-RISK PREGNANCIES Hayden BL, Simpson JL, Ewing DE, Otterson WN *Obstet Gynecol* 46: 251-4, Sep 75 (Eng)

THE DIAGNOSTIC VALUE OF HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL FUNCTION TESTS IN PATIENTS WITH CUSHINGS SYNDROME. Hashimoto K *Acta Med Okayama* 29: 111-26, Apr 75 (Eng)

CHANGES IN CARBOHYDRATE TOLERANCE DURING LONG-TERM ORAL CONTRACEPTION. Posner NA, Silverstone FA, Tobin EH, Breuer J *Am J Obstet Gynecol* 123: 119-27, 15 Sep 75 (Eng)

BEHCETS SYNDROME: CLINICAL, IMMUNOLOGICAL AND THERAPEUTIC EVALUATION OF 17 PATIENTS. Cooper DA, Penny R *Aust NZ J Med* 4: 585-96, Dec 74 (Eng)

REQUIREMENTS FOR DIVALENT CATIONS BY HORMONAL MITOGENS AND THEIR INTERACTIONS WITH SEX STEROIDS. Morgan JI, Hall AK, Perris AD *Biochem Biophys Res Commun* 66: 188-94, 2 Sep 75 (Eng)

EVIDENCE FOR GLUCOCORTICOID TRANSPORT INTO ATT-20/D-1 CELLS. Harrison RW 3d, Fairfield S, Orth DN *Biochemistry* 14: 1304-7, 25 Mar 75 (Eng)

TIME RELATIONSHIPS IN HORMONE RESPONSES: INCREASED OVARIAN LACTIC ACID PRODUCTION IN VITRO AND ESTROGEN PRODUCTION IN VIVO IN IMMATURE FEMALE RATS TREATED WITH PMS. Sashida T, Johnson DC *Biol Reprod* 12: 212-22, Mar 75 (Eng)

STEROID HORMONE-RESPONSIVE, ISOLATED ENDOMETRIAL CELLS. Pietras RJ, Szego CM *Endocrinology* 96: 946-54, Apr 75 (Eng)

EFFECTS OF PORCINE STALK MEDIAN EMINENCE AND PROSTAGLANDIN E2 ON RAT GROWTH HORMONE SECRETION IN VIVO AND THEIR INHIBITION BY SOMATOSTATIN. Szabo M, Frohman LA *Endocrinology* 96: 953-61, Apr 75 (Eng)

BIOCHEMICAL PARAMETERS OF ABNORMAL ENDOMETRIUM. Hughes EC, Csermely TV, Jacobs RD, O'Hern P *Gynecol Oncol* 2: 205-20, Aug 74 (Eng)

THE EFFECT OF ESTROGEN ON THE LIPOPROTEIN LIPASE ACTIVITY OF RAT ADIPOSE TISSUE. Hamosh M, Hamosh P *J Clin Invest* 55: 1132-5, May 75 (Eng)

EFFECTS OF VARIOUS HORMONES ON THE PITUITARY-ADRENAL AXIS. Kitay JI *Adv Exp Med Biol* 54: 155-67, 1975 (Eng)

EFFECT OF GONADAL HORMONES ON ENZYME ACTIVITIES IN BRAIN AND PITUITARY OF MALE AND FEMALE RATS. Luine VN, Khylichevskaya RI, McEwen BS *Brain Res* 86: 283-92, 21 Mar 75 (Eng)

[PROCEEDINGS: EFFECT OF GLUCOCORTICOID AND ESTROGEN ON GLUCOSE UPTAKE BY THE ADIPOSE TISSUE] Umehara C, Nishikawa Y, Iki Y, Sugimoto T *Folia Endocrinol Jpn* 50: 650, 20 Feb 74 (Jpn)

ESTROGEN SYNTHESIS BY THE PREGNANT BABOON. Kling OR, Rubin EJ, Townsley JD *J Med Primatol* 1: 102-13, 1972 (Eng)

[MICROSOME-ASSOCIATED 17BETA-HYDROXYSTEROID DEHYDROGENASES OF HUMAN PLACENTA, II KINETIC STUDIES AND CHARACTERIZATION OF THE SOLUBILIZED ESTRADIOL-AND TESTOSTERONE-SENSITIVE 17BETA-HSD-ACTIVITIES] Pollow K, Runge W, Pollow B *Z Naturforsch [C]* 30: 17-24, Jan-Feb 75 (Ger)

[CHORIONIC GONADOTROPIC HORMONE (A REVIEW OF THE LITERATURE)] Maisaia GI, Bakradze GA *Akush Ginekol (Mosk)* 49: 27-30, Apr 73 (Rus)

2.F.3.3 CORPUS LUTEUM AND PROGESTATIONAL HORMONES

2.F.3.3.1 CORPUS LUTEUM HORMONES

2.F.3.3.2 PROGESTATIONAL HORMONES

[INFLUENCE OF OVULATION INHIBITORS ON GLUCOSE METABOLISM] Hausmann L, Kafarnik H *Dtsch Med Wochenschr* 100: 1703-9, 22 Aug 75 (Ger) [59]

SEX STEROID INFLUENCE ON TRIGLYCERIDE METABOLISM. Kim HJ, Kalkhoff RK *J Clin Invest* 56: 888-96, Oct 75 (Eng)

CHANGES IN CARBOHYDRATE TOLERANCE DURING LONG-TERM ORAL CONTRACEPTION. Posner NA, Silverstone FA, Tobin EH, Breuer J *Am J Obstet Gynecol* 123: 119-27, 15 Sep 75 (Eng)

THE EFFECT OF FETAL HYPOPHYSECTOMY ON PLACENTAL BIOSYNTHESIS OF PROGESTERONE IN RHESUS. Hagemas FC, Baughman WL, Kittinger GW *Endocrinology* 96: 1059-62, Apr 75 (Eng)

BIOCHEMICAL PARAMETERS OF ABNORMAL ENDOMETRIUM. Hughes EC, Csermely TV, Jacobs RD, O'Hern P *Gynecol Oncol* 2: 205-20, Aug 74 (Eng)

THE EFFECT OF ESTROGEN ON THE LIPOPROTEIN LIPASE ACTIVITY OF RAT ADIPOSE TISSUE. Hamosh M, Hamosh P *J Clin Invest* 55: 1132-5, May 75 (Eng)

ESTROGEN SYNTHESIS BY THE PREGNANT BABOON. Kling OR, Rubin EJ, Townsley JD *J Med Primatol* 1: 102-13, 1972 (Eng)

2.G OTHER ENDOCRINES AND RELATED TERMS

EFFECTS OF PROGESTERONE AND EDTA ON CYCLIC AMP AND PHOSPHODIESTERASE IN DICTYOSTELIUM DISCOIDEUM. Klein C, Brachet P *Nature* 254: 432-4, 3 Apr 75 (Eng)

[MICROSOME-ASSOCIATED 17BETA-HYDROXYSTEROID DEHYDROGENASES OF HUMAN PLACENTA, II KINETIC STUDIES AND CHARACTERIZATION OF THE SOLUBILIZED ESTRADIOL-AND TESTOSTERONE-SENSITIVE 17BETA-HSD-ACTIVITIES] Pollow K, Runge W, Pollow B *Z Naturforsch [C]* 30: 17-24, Jan-Feb 75 (Ger)

2.F.3.4 CONTRACEPTIVES, ORAL

[INFLUENCE OF OVULATION INHIBITORS ON GLUCOSE METABOLISM] Hausmann L, Kaf-farnik H *Dtsch Med Wochenschr* 100: 1703-9, 22 Aug 75 (Ger) [59]

[PRACTICAL POSTGRADUATE COURSE IN DIABETOLOGY (AUTHORS TRANSL.)] Berger W *Praxis* 64: 626-31, 20 May 75 (Ger)

MONTHLY VARIATIONS OF SERUM LEVELS OF THYROTROPIN, GROWTH HORMONE AND CORTISOL IN MAN. Golstein J, Van Cauter E, Leclercq R, Copinschi G, Vanhaelst L *Horm Metab Res* 6: 506-9, Nov 74 (Eng)

2.F.4 GONADAL DISORDERS

[ENDOCRINE DWARFISM. 3. DIAGNOSIS AND THERAPY OF NONHYPOTHALAMIC-NON-PITUITARY ENDOCRINE DWARFISM] Hesse V *Kinderaerztl Prax* 43: 217-26, May 75 (Ger)

HYPOTHALAMIC AND PITUITARY FUNCTION IN HYPOGONADISM. Paulson DF, Wiebe HR, Hammond CB *Urology* 6: 333-6, Sep 75 (Eng)

[CARCINOMA OF THE ADRENAL CORTEX] Dzhurin DS, Michin IV, Popovich S, Manoilovich DL, Dzordzhevich P *Probl Endokrinol (Mosk)* 20: 51-6, May-Jun 74 (Rus)

2.G OTHER ENDOCRINES AND RELATED TERMS

2.G.1 ENDOCRINE GLANDS

[COMPARISON OF INSULIN REACTIONS IN VARIOUS DISEASES TO GLUCOSE, ARGININE, AND GLUCAGON] Taminato A, Inoue Y, Mori K, Goto K, Kurahachi H *Clin Endocrinol (Tokyo)* 23: 373-9, Apr 75 (Jpn)

SPECIAL ISSUE ON ATHERO-ARTERIOS-CLEROSIS. AN ICONOCLASTIC VIEW OF CURRENT CONCEPTS CONCERNING GENESIS, PREVENTION, AND CONTROL. Blumenthal HT, Alex M *Gerontologia* 21: 129-75, 1975 (Eng)

[PSYCHOLOGIC AND METABOLIC FACTORS IN THE GENESIS OF OBESITY. 2.] Ruedi B *Z Krankenhpf* 67: 450-2, 468, Dec 74 (Fre)

[PROCEEDINGS: HUMAN PROLACTIN SECRETION DYNAMICS IN VARIOUS ENDOCRINE DISEASES] Ogawa N, Miyoshi M, Hanabusa M, Yokoyama H, Furuno K *Folia Endocrinol Jpn* 50: 296, 20 Feb 74 (Jpn)

[PROCEEDINGS: DEFICIENCIES OF GROWTH HORMONE, THYROID STIMULATING HORMONE AND GONAD STIMULATING HORMONE IN A BROTHER AND SISTER] Shishiba Y, Shimizu T, Ozawa Y, Kawabata T *Folia Endocrinol Jpn* 50: 625, 20 Feb 74 (Jpn)

[PROCEEDINGS: HYPOTHALAMIC OBESITY IN MAN] Ishikawa K, Yamamoto A, Nishikawa M *Folia Endocrinol Jpn* 50: 648, 20 Feb 74 (Jpn)

2.G.2 HORMONES

INSULIN RECEPTORS IN THE HEART MUSCLE. DEMONSTRATION OF SPECIFIC BINDING SITES AND IMPAIRMENT OF INSULIN BINDING IN THE PLASMA MEMBRANE OF THE OBESE HYPERGLYCEMIC MOUSE. Fargue ME, Freychet P *Diabetes* 24: 715-23, Aug 75 (Eng)

COMPARISON OF 125-I-INSULIN BINDING AND DEGRADATION TO ISOLATED RAT HEPATOCYTES AND LIVER MEMBRANES. Olefsky J, Johnson J, Liu F, Edwards P, Baur S *Diabetes* 24: 801-10, Sep 75 (Eng)

STUDIES ON THE ACTION OF HORMONES ON THE INTESTINAL TRANSPORT OF L-HISTIDINE. Kansal VK, Wagle DS *Indian J Physiol Pharmacol* 19: 28-33, Jan-Mar 75 (Eng)

[THE SIGNIFICANCE OF LIPID METABOLISM IN SURGICAL DISORDERS] Stremmel W *Infusionstherapie* 1: 238-43, Feb 74 (Ger)

SYMPOSIUM III: HORMONES AND HORMONE RECEPTORS. A MORPHOLOGICAL APPROACH TO SURFACE RECEPTORS IN ISLET AND LIVER CELLS. Orci L, Rufenner C, Malaissé-Lagae F, Blondel B, Amherdt M, Bataille D, Freychet P, Perrelet A *Isr J Med Sci* 11: 639-55, Jul 75 (Eng)

INSULIN RECEPTORS IN FAT CELLS: RELATIONSHIP BETWEEN BINDING AND ACTIVATION. Gliemann J, Gammeltoft S, Vinten J *Isr J Med Sci* 11: 656-63, Jul 75 (Eng)

NONSUPPRESSIBLE INSULIN-LIKE ACTIVITY: BIOLOGICAL ACTIVITY AND RECEPTOR BINDING. Zapf J, Mader M, Waldevogel M, Froesch ER *Isr J Med Sci* 11: 664-78, Jul 75 (Eng)

RECENT STUDIES ON INSULIN-RECEPTOR INTERACTIONS. Freychet P *Isr J Med Sci* 11: 679-86, Jul 75 (Eng)

SOMATOMEDINS. Van den Brande JL, Van Buul S *Isr J Med Sci* 11: 693-8, Jul 75 (Eng) [38]

RADIORECEPTOR ASSAY OF INSULIN: COMPARISON OF PLASMA AND PANCREATIC INSULINS AND PROINSULINS. Gavin JR 3d, Kahn CR, Gorden P, Roth J, Neville DM Jr *J Clin Endocrinol Metab* 41: 438-45, Sep 75 (Eng)

RADIORECEPTOR-INACTIVE GROWTH HORMONE ASSOCIATED WITH STIMULATED SECRETION IN NORMAL SUBJECTS. Sneed DS, Jacobs LS, Weldon VV, Trivedi BL, Daughaday HJ *Clin Endocrinol Metab* 41: 471-4, Sep 75 (Eng)

CIRCULATING NSILA-S IN MAN: PRELIMINARY STUDIES OF STIMULI IN VIVO AND OF BINDING TO PLASMA COMPONENTS. Megyesi K, Kahn CR, Roth J, Gorden P *J Clin Endocrinol Metab* 41: 475-84, Sep 75 (Eng)

INSULIN RECEPTOR DEFICIENCY IN GENETIC AND ACQUIRED OBESITY. Soli AH, Kahn CR, Neville DM Jr, Roth J *J Clin Invest* 56: 769-80, Oct 75 (Eng)

ENDOCRINOLOGY AND METABOLISM IN UREMIA AND DIALYSIS: A CLINICAL REVIEW. Feldman HA, Singer I *Medicine (Baltimore)* 54: 345-76, Sep 75 (Eng)

IS THE EVOLUTION OF INSULIN DARWINIAN OR DUE TO SELECTIVELY NEUTRAL MUTATION Blundell TL, Wood SP *Nature* 257: 197-203, 18 Sep 75 (Eng)

[SOMATOTROPIN INSUFFICIENCY. I. METABOLIC AND HORMONAL DISORDERS] Pupa M *Stud Cercet Endocrinol* 23: 219-34, 1972 (Rum) [87]

REQUIREMENTS FOR DIVALENT CATIONS BY HORMONAL MITOGENS AND THEIR INTERACTIONS WITH SEX STEROIDS. Morgan JJ, Hall AK, Perris AD *Biochem Biophys Res Commun* 66: 188-94, 2 Sep 75 (Eng)

EVIDENCE FOR GLUCOCORTICOID TRANSPORT INTO ATT-20/D-1 CELLS. Harrison RW 3d, Fairfield S, Orth DN *Biochemistry* 14: 1304-7, 25 Mar 75 (Eng)

ANALYSIS OF THE REQUIREMENTS FOR PARATHYROID HORMONE ACTION IN RENAL MEMBRANES WITH THE USE OF INHIBITING ANALOGUES. Goltzmann D, Peytremann A, Callahan E, Tregear GW, Potts JT Jr *J Biol Chem* 250: 3199-203, 25 Apr 75 (Eng)

GLYCOSAMINOGLYCANS AND ARTERIAL DISEASE. Robinson RW, Likar IN, Likar LJ *Monogr Atherosclerosis* 5: v-viii, 1-136, 1975 (Eng) [482]

MODULATION OF CELL SURFACE STRUCTURE AND FUNCTION. Anonymous *Adv Exp Med Biol* 51: 101-61, 1974 (Eng)

BIOLOGICAL ACTIVITIES SOLUBILIZED CELL SURFACE COMPONENTS. Anonymous *Adv Exp Med Biol* 51: 163-241, 1974 (Eng)

BIOLOGICAL RHYTHMS. Halberg F *Adv Exp Med Biol* 54: 1-41, 1975 (Eng)

ENDOCRINE RHYTHMS ASSOCIATED WITH PINEAL GLAND FUNCTION. Reiter RJ *Adv Exp Med Biol* 54: 43-78, 1975 (Eng)

[PROCEEDINGS: ETIOLOGICAL CONSIDERATION IN ACROMEGALY: ON THE MULTIRECEPTOR OF THE GROWTH HORMONE SECRETING CELLS] Onaya T, Tsukui T, Sato A, Kobayashi R, Iwasa Y *Folia Endocrinol Jpn* 50: 282, 20 Feb 74 (Jpn)

[PROCEEDINGS: RESPONSES OF PLASMA ACTH, GH, LH, FSH, TSH AND PROLACTIN IN CUSHINGS SYNDROME] Hashimoto K, Asaoka K, Mori M, Yokoyama M, Miyoshi M *Folia Endocrinol Jpn* 50: 537, 20 Feb 74 (Jpn)

INTRINSIC TRYPTOPHAN FLUORESCENCE OF MEMBRANES OF GH3 PITUITARY CELLS: QUENCHING BY THYROTROPIN-RELEASING HORMONE. Imae T, Fasman GD, Hinkle PM, Tashjian AH Jr *Biochem Biophys Res Commun* 62: 923-32, 17 Feb 75 (Eng)

2.G.2.1 GASTROINTESTINAL HORMONES

THE ENTERAL INSULIN-STIMULATION AFTER WHIPPLES OPERATION. Rehfeld JF, Stadil F, Baden H, Fischerman K *Diabetologia* 11: 207-10, Jun 75 (Eng)

GASTRIC OPERATIONS AND GLUCOSE HOMEOSTASIS. II. GLUCAGON AND SECRETIN. Breuer RI, Zuckerman L, Hauch TW, Green W, OGara P, Lawrence AM, Foa PP, Matsuyama T *Gastroenterology* 69: 598-606, Sep 75 (Eng)

GASTRIN LEVELS AFTER PROXIMAL GASTRIC VAGOTOMY. Hayes JR, Ardill J, Kennedy TL, Buchanan KD Jr *J Med Sci* 144: 349-54, Sep 75 (Eng)

INTERACTIONS OF GLUCAGON, GUT GLUCAGON, VASOACTIVE INTESTINAL POLYPEPTIDE AND SECRETIN WITH THEIR MEMBRANE RECEPTORS. Bataille D, Rosselin G, Freychet P *Isr J Med Sci* 11: 687-92, Jul 75 (Eng)

Diabetes Literature—Hierarchical Index

2.G OTHER ENDOCRINES AND RELATED TERMS

GASTRIC INHIBITORY POLYPEPTIDE (GIP) STIMULATED BY FAT INGESTION IN MAN. Falko JM, Crockett SE, Cataland S, Mazzaferri EL. *J Clin Endocrinol Metab* 41: 260-5, Aug 75 (Eng)

[ENDOCRINE FUNCTION OF THE GASTROINTESTINAL TRACT] Shlimovich PB, Khommel Kh, Fisher U. *Sov Med* 68-73, Jun 75 (Rus)

ECTOPIC HORMONE PRODUCTION. Smith LH. *Surg Gynecol Obstet* 141: 443-53, Sep 75 (Eng) [203]

[THE FUNCTIONAL CYTOCHEMISTRY OF AMINE PRECURSOR UPTAKE AND DECARBOXYLATION (APUD) CELLS AND ITS USES IN PATHOLOGY] Berger G, Barthelemy C, Tabib A. *Ann Anat Pathol (Paris)* 19: 371-98, Oct-Dec 74 (Fre)

2.G.2.2 PROSTAGLANDINS

INHIBITION OF LABILE AGGREGATION-STIMULATING SUBSTANCE (LASS) AND PLATELET AGGREGATION IN DIABETES MELLITUS. Colwell JA, Chambers A, Laimins M. *Diabetes* 24: 684-7, Jul 75 (Eng)

INHIBITION OF BASAL AND HORMONE-STIMULATED ADENYLATE CYCLASE IN ADIPOCYTE GHOSTS BY THE PROSTAGLANDIN ENDOPEROXIDE PROSTAGLANDIN H₂. Gorman RR, Hamberg M, Samuelsson B. *J Biol Chem* 250: 6460-3, 25 Aug 75 (Eng)

ECTOPIC HORMONE PRODUCTION. Smith LH. *Surg Gynecol Obstet* 141: 443-53, Sep 75 (Eng) [203]

EFFECTS OF PORCINE STALK MEDIAN EMINENCE AND PROSTAGLANDIN E₂ ON RAT GROWTH HORMONE SECRETION IN VIVO AND THEIR INHIBITION BY SOMATOSTATIN. Szabo M, Frohman LA. *Endocrinology* 96: 955-61, Apr 75 (Eng)

ELABORATION OF MEDIUM CHAIN FREE FATTY ACIDS AND LONG CHAIN FATTY ACID PROSTAGLANDIN PRECURSORS BY ISOLATED ANOXIC RAT LIVER MITOCHONDRIA. Markelonis G, Garbus J. *FEBS Lett* 51: 7-10, 1 Mar 75 (Eng)

CYCLIC AMP, MEMBRANE TRANSPORT AND CELL DIVISION. I. EFFECTS OF VARIOUS CHEMICALS ON CYCLIC AMP LEVELS AND RATE OF TRANSPORT OF NUCLEOSIDES, HYPOXANTHINE AND DEOXYGLUCOSE IN SEVERAL LINES OF CULTURED CELLS. Sheppard JR, Plagemann PG. *J Cell Physiol* 85: 163-72, Apr 75 (Eng)

PROSTAGLANDINS AND OBESITY. Curtis-Prior PB. *Lancet* 1: 897-9, 19 Apr 75 (Eng)

SYNTHESIS OF PROSTAGLANDINS IN PLATELETS OF HYPERCHOLESTEROLEMIC RABBITS. Srivastava KC. *Lipids* 10: 57-9, Jan 75 (Eng)

A SUGGESTED ROLE FOR HYDROGEN PEROXIDE IN THE BIOSYNTHESIS OF PROSTAGLANDINS. Panganamala RV, Sharma HM, Sprecher H, Geer JC, Cornwell DG. *Prostaglandins* 8: 3-11, 10 Oct 74 (Eng)

THE VITAMIN CONCEPT. Morton RA. *Vitam Horm* 32: 155-66, 1974 (Eng) [70]

THE EFFECT OF DIETARY LIPIDS ON LIPOLYSIS IN RAT ADIPOSE TISSUE. Larking PW, Nye ER. *Br J Nutr* 33: 291-7, Mar 75 (Eng)

[RELATIONSHIP OF THE PROSTAGLANDINS TO THE LIPID AND GLYCID METABOLISM, ADHESIVENESS AND AGGREGATION OF THE BLOOD PLATELETS AND INFLAMMATORY REACTION] Masek K. *Cas Lek Cesk* 114: 23-6, 3 Jan 75 (Cze)

[THE MECHANISM OF ACTION OF PROSTAGLANDINS (AUTHORS TRANSL.)] Masek K. *Cas Lek Cesk* 114: 45-8, 10 Jan 75 (Cze)

[PROCEEDINGS: STIMULATION OF PITUITARY HORMONE SECRETION BY PG E₁] Uehara A. *Folia Endocrinol Jpn* 50: 660, 20 Feb 74 (Jpn)

INHIBITION OF GROWTH HORMONE AND THYROTROPIN RELEASE BY GROWTH HORMONE-RELEASE INHIBITING HORMONE. Belanger A, Labrie F, Borgeat P, Savary M, Cote J, Drouin J, Schally AV, Coy DH, Coy EJ, Sestanj K, Nelson V, Gotz M, Immer H. *Mol Cell Endocrinol* 1: 329-39, Oct 74 (Eng)

PROCEEDINGS: IN-VITRO METABOLISM OF PROSTAGLANDINS IN TISSUES FROM THE PREGNANT HUMAN UTERUS. Keirse MJ, Turnbull AC. *J Endocrinol* 64: 18p, Jan 75 (Eng)

2.G.2.3 HORMONES, ECTOPIC

ECTOPIC HORMONE PRODUCTION. Smith LH. *Surg Gynecol Obstet* 141: 443-53, Sep 75 (Eng) [203]

2.G.2.4 PLACENTAL HORMONES

TIME RELATIONSHIPS IN HORMONE RESPONSES: INCREASED OVARIAN LACTIC ACID PRODUCTION IN VITRO AND ESTROGEN PRODUCTION IN VIVO IN IMMATURE FEMALE RATS TREATED WITH PMS. Sashida T, Johnson DC. *Biol Reprod* 12: 212-22, Mar 75 (Eng)

STUDIES ON THE COMMON ACTIVE SITE OF GROWTH HORMONE. REVISION OF THE AMINO ACID SEQUENCE OF AN ACTIVE FRAGMENT OF BOVINE GROWTH HORMONE. Yamasaki N, Shimanaka J, Sonenberg M. *J Biol Chem* 250: 2510-4, 10 Apr 75 (Eng)

[CHORIONIC GONADOTROPIC HORMONE (A REVIEW OF THE LITERATURE)] Maisaia GI, Bakradze GA. *Akush Ginekol (Mosk)* 49: 27-30, Apr 73 (Rus)

2.G.2.5 RELAXIN

2.G.2.6 JUVENILE HORMONES

2.G.3 CHROMAFFIN SYSTEM

[THE FUNCTIONAL CYTOCHEMISTRY OF AMINE PRECURSOR UPTAKE AND DECARBOXYLATION (APUD) CELLS AND ITS USES IN PATHOLOGY] Berger G, Barthelemy C, Tabib A. *Ann Anat Pathol (Paris)* 19: 371-98, Oct-Dec 74 (Fre)

THE ADRENAL MEDULLA: A MODEL FOR STUDIES OF HORMONAL AND NEURONAL STORAGE AND RELEASE MECHANISMS. Helle KB, Serck-Hanssen G. *Mol Cell Biochem* 6: 127-46, 28 Feb 75 (Eng) [118]

2.G.4 PINEAL BODY

THE NYCTHEMERAL RHYTHM OF PLASMA PROLACTIN: EFFECTS OF GANGLIONECTOMY, PINEALECTOMY, CONSTANT LIGHT, CONSTANT DARKNESS OR 6-OH-DOPAMINE ADMINISTRATION. Kizer JS, Zivin JA, Jacobowitz DM, Kopin IJ. *Endocrinology* 96: 1230-40, May 75 (Eng)

EFFECTS OF VARIOUS HORMONES ON THE PITUITARY-ADRENAL AXIS. Kitay JJ. *Adv Exp Med Biol* 54: 155-67, 1975 (Eng)

ENDOCRINE RHYTHMS ASSOCIATED WITH PINEAL GLAND FUNCTION. Reiter RJ. *Adv Exp Med Biol* 54: 43-78, 1975 (Eng)

THE EFFECTS OF LIGHT ON MAN AND OTHER MAMMALS. Wurtman RJ. *Annu Rev Physiol* 37: 467-83, 1975 (Eng) [62]

2.G.5 PITUITARY-ADRENAL SYSTEM

EFFECTS OF VARIOUS HORMONES ON THE PITUITARY-ADRENAL AXIS. Kitay JJ. *Adv Exp Med Biol* 54: 155-67, 1975 (Eng)

CIRCADIAN PITUITARY ADRENAL RHYTHMS. Krieger DT. *Adv Exp Med Biol* 54: 169-89, 1975 (Eng)

2.G.6 SECRETORY RATE

DEFECTIVE INSULIN SECRETION IN THE SPINY MOUSE (ACOMYS CAHIRINUS). POSSIBLE VALUE IN THE STUDY OF THE PATHOPHYSIOLOGY OF DIABETES. Rabinovitch A, Gutzzeit A, Grill V, Kikuchi M, Renold AE, Cerasi E. *Isr J Med Sci* 11: 730-7, Jul 75 (Eng)

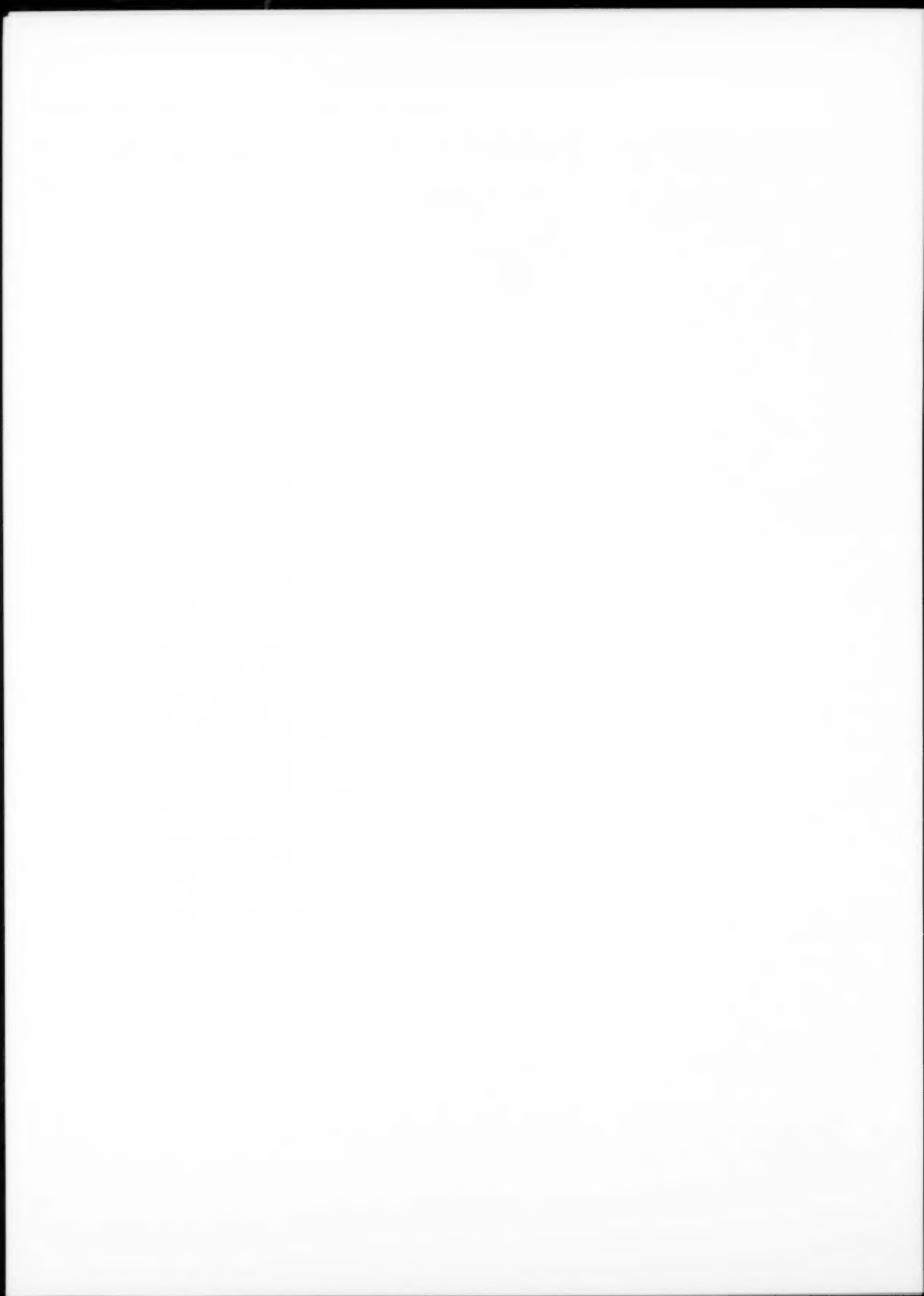
HYPERLIPIDEMIA AND HEPATIC HYPERLIPOGENESIS IN SPINY MICE (ACOMYS CAHIRINUS) ON CARBOHYDRATE DIETS: RELATIONSHIP TO PERIPHERAL UNDERRESPONSIVENESS AND LOW INSULIN RELEASE. Shafir E, Benchimol A, Orevi M. *Isr J Med Sci* 11: 738-52, Jul 75 (Eng)

PANCREATIC ENDOCRINE TUMORS—THE RIDDLE OR THEIR ORIGIN AND HORMONE SECRETION. Creutzfeldt W. *Isr J Med Sci* 11: 762-76, Jul 75 (Eng)

RADIORECEPTOR-INACTIVE GROWTH HORMONE ASSOCIATED WITH STIMULATED SECRETION IN NORMAL SUBJECTS. Sneed DS, Jacobs LS, Weldon VV, Trivedi BL, Daughaday HJ. *J Clin Endocrinol Metab* 41: 471-4, Sep 75 (Eng)

SALIVARY ALTERATIONS IN DIABETES MELLITUS. Marder MZ, Abelson DC, Mandel ID. *J Periodontol* 46: 567-9, Sep 75 (Eng)

[EFFECT OF GLUCAGON ON INSULIN SECRETION IN ACUTE VIRAL HEPATITIS] Kiczka W, Juszczak J, Adamek J, Kosowicz J, Porawska J. *Pol Tyg Lek* 30: 1295-8, 4-11 Aug 75 (Pol)



Diabetes Literature—Keyword Index

ABDOMINAL OPERATION

THE PROBLEMS OF ABDOMINAL OPERATIONS IN ELDERLY PATIENTS. Szauer JS, Zukauskas C *Geriatrics* 30: 57-9, 63-4, Sep 75 (Eng)

ABSORPTION, INTESTINAL

DISACCHARIDE HYDROLYSIS, INTESTINAL ABSORPTION AND ELECTROGENIC PROPERTIES IN *SALMONELLA* ENTEROCOLITIS IN MICE. Madge DS *Digestion* 11: 25-38, 1974 (Eng)

ABSORPTION PATTERN

STUDIES OF GASTROINTESTINAL INTERACTIONS. VII. CHARACTERISTICS OF THE ABSORPTION PATTERN OF SUGAR, FAT AND PROTEIN FROM COMPOSITE MEALS IN MAN. A QUANTITATIVE STUDY. Johansson C *Scand J Gastroenterol* 10: 33-42, 1975 (Eng)

ACETALDEHYDE

EFFECT OF ETHANOL AND ACETALDEHYDE ON THE (NA& &K&)-ACTIVATED ADENOSINE TRIPHOSPHATASE ACTIVITY OF CARDIAC PLASMA MEMBRANES. Williams JW, Tada M, Katz AM, Rubin E *Biochem Pharmacol* 24: 27-32, 1 Jan 75 (Eng)

I-14C-ACETATE

FOCAL DIFFERENCES IN LIPID METABOLISM OF THE YOUNG PIG AORTA. SYNTHESIS FROM [I-14C]ACETATE AND [U-14C]GLUCOSE IN VITRO. Somer JB, Bell FP, Schwarz CJ *Atherosclerosis* 20: 11-21, Jul-Aug 74 (Eng)

ACETOACETATE

THE EFFECT OF MUSCULAR EXERCISE ON FREE FATTY ACIDS, ACETOACETATE AND 3-HYDROXYBUTYRATE BLOOD LEVELS. Boninsegna A, Federspil G, De Palo C *Horm Metab Res* 6: 488-91, Nov 74 (Eng)

ACETYLCHOLINESTERASE

HORMONE ACTION AND MEMBRANE FLUIDITY: EFFECT OF INSULIN AND CORTISOL ON THE HILL COEFFICIENTS OF RAT ERYTHROCYTE MEMBRANE-BOUND ACETYLCHOLINESTERASE AND (NA& &K&)-ATPASE. Massa EM, Morero RD, Bloj B, Farias RN *Biochem Biophys Res Commun* 66: 115-22, 2 Sep 75 (Eng)

ACHOLEPLASMA LAIDLAWII CELL

[GLUCOSE TRANSPORT INTO MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII CELLS] Panchenko LF, Fedotov NS, Goriacheva LA, Tarshis MA *Dokl Akad Nauk SSSR* 221: 487-9, 1975 (Rus)

ACIDOSIS, LACTIC

LACTIC ACIDOSIS ASSOCIATED WITH PHENFORMIN THERAPY. EVIDENCE THAT INHIBITED LACTATE OXIDATION IS THE CAUSATIVE FACTOR. Searle GL, Siperstein MD *Diabetes* 24: 741-5, Aug 75 (Eng)

[LACTIC ACIDOSIS TREATED WITH GLUCOSE AND INSULIN] Brubakk O, Hopen G *Tidsskr Nor Lægeforen* 95: 1412-3, 10 Sep 75 (Nor)

[NEONATAL LACTIC ACIDOSIS AND HYPOGLYCEMIA DUE TO A CONGENITAL HEPATIC FRUCTOSE-1,6-DIPHOSPHATASE DEFICIENCY] Retbi JM, Gabilan JC, Marsac C *Arch Fr Pediatr* 32: 367-80, Apr 75 (Fre)

LACTIC ACIDOSIS IN EPINEPHRINE POISONING. Kolendorf K, Moller BB *Acta Med Scand* 196: 465-6, Dec 74 (Eng)

ACIDOSIS, RAT

NOREPINEPHRINE CONCENTRATION IN HEART MUSCLE AND HYPOTHALAMUS DURING ACIDOSIS IN THE RAT. Karpati P, Preda I, Endrooczi E *Acta Physiol Acad Sci Hung* 43: 315-20, 1973 (Eng)

ACROMEGALY

[GROWTH HORMONE AND INSULIN CURVE FOLLOWING GLUCOSE LOADING IN PATIENTS WITH ACROMEGALY] Kolaszynski J, Owczarczyk I, Pawlikowski M *Endokrynol Pol* 26: 265-9, May-Jun 75 (Pol)

ALTERED HYPOTHALAMIC-PITUITARY-ADRENAL RESPONSIVENESS TO DEXAMETHASONE-INSULIN TOLERANCE TEST IN ACTIVE ACROMEGALY. Hofeldt FD, Levin SR, Von Werder K, Becker N, Schneider V, Hane S, Seymour R, Adams JE, Forsham PH *J Clin Endocrinol Metab* 41: 399-401, Aug 75 (Eng)

[ACROMEGALY ASSOCIATED WITH PACHYDERMOPERIOSTOSIS] Chini V *Minerva Med* 66: 2717-28, 29 Aug 75 (Ita)

[PROCEEDINGS: ACTION OF RELEASING HORMONES ON VARIOUS ANTERIOR PITUITARY HORMONE SECRETION: ACROMEGALY] Miyai K, Onishi T, Hashimoto T, Sawazaki N, Hosokawa M *Folia Endocrinol Jpn* 50: 275, 20 Feb 74 (Jpn)

[PROCEEDINGS: ETIOLOGICAL CONSIDERATION IN ACROMEGALY: ON THE MULTIRECEPTOR OF THE GROWTH HORMONE SECRETING CELLS] Onaya T, Tsukui T, Sato A, Kobayashi R, Iwasa Y *Folia Endocrinol Jpn* 50: 282, 20 Feb 74 (Jpn)

[PROCEEDINGS: PITUITARY APOPLEXY COMPLICATING THE CLINICAL COURSE OF ACROMEGALY] Abe T, Hino M, Shimoyama A, Hirata Y *Folia Endocrinol Jpn* 50: 283, 20 Feb 74 (Jpn)

[THE SERUM LEVEL OF SULFATATION FACTOR (SOMATOMEDINE) IN GROWTH RETARDATIONS, CEREBRAL GIGANTISM AND ACROMEGALY] Lecornu M *Arch Fr Pediatr* 30: 595-608, Jun-Jul 73 (Fre)

ACTH

SEE ADRENOCORTICOTROPIC HORMONE

ACTIVATION PATTERN

CEREBRAL METABOLISM IN HYPOXIC HYPOXIA. I. PATTERN OF ACTIVATION OF GLYCOLYSIS: A RE-EVALUATION. Norberg K, Siesjö BK *Brain Res* 86: 31-44, 14 Mar 75 (Eng)

ACYL COENZYME A

INTERACTION BETWEEN SPIN-LABELED ACYL-COENZYME A AND THE MITOCHONDRIAL ADENOSINE DIPHOSPHATE CARRIER. Devaux PF, Bienvenue A, Lauquin G, Brisson AD, Vignais PM, Vignais PV *Biochemistry* 14: 1272-80, 25 Mar 75 (Eng)

THE PURIFICATION AND SOME PROPERTIES OF ELECTRON TRANSFER FLAVOPROTEIN AND GENERAL FATTY ACYL COENZYME A DEHYDROGENASE FROM PIG LIVER MITOCHONDRIA. Hall CL, Kamin H *J Biol Chem* 250: 3476-86, 10 May 75 (Eng)

ACYLPHOSPHATIDYLGLYCEROL

BIOSYNTHESIS OF BIS(MONOACYLGLYCERYL)PHOSPHATE AND ACYLPHOSPHATIDYLGLYCEROL IN RAT LIVER MITOCHONDRIA. Poorthuis BJHM, Hostetter KY *J Biol Chem* 250: 3297-302, 10 May 75 (Eng)

ADDICTED RAT

SYMPATHO-ADRENAL DEVELOPMENT IN PERINATALLY ADDICTED RATS. Slotkin TA, Anderson TR *Addict Dis* 2: 293-306, 1975 (Eng)

ADENINE NUCLEOTIDE

REGIONAL DISTRIBUTION OF ADENINE NUCLEOTIDES, GLYCOGEN, GLUCOSE AND LACTATE IN THE ADULT RAT BRAIN. Zivkoic RV, Mrsulja BB, Djuricic BM *Experientia* 31: 404-6, 15 Apr 75 (Eng)

ADENOMA

AN UNUSUAL BETA-CELL ADENOMA. Dewilde J, Baillargeon J, Daloze P, Rasio E *Can Med Assoc J* 113: 413-6, 6 Sep 75 (Eng)

ADENOSINE DIPHOSPHATE

INTERACTION BETWEEN SPIN-LABELED ACYL-COENZYME A AND THE MITOCHONDRIAL ADENOSINE DIPHOSPHATE CARRIER. Devaux PF, Bienvenue A, Lauquin G, Brisson AD, Vignais PM, Vignais PV *Biochemistry* 14: 1272-80, 25 Mar 75 (Eng)

REGULATION OF PYRUVATE DEHYDROGENASE IN ISOLATED RAT LIVER MITOCHONDRIA. EFFECTS OF OCTANOATE, OXIDATION-REDUCTION STATE, AND ADENOSINE TRIPHOSPHATE TO ADENOSINE DIPHOSPHATE RATIO. Taylor SI, Mukherjee C, Jungas RL *J Biol Chem* 250: 2028-35, 25 Mar 75 (Eng)

ADENOSINE DIPHOSPHOGLUCOSE

EVIDENCE FOR THE ALLOSTERIC REGULATION OF GLYCOGEN SYNTHESIS IN THE INTACT *ESCHERICHIA COLI* CELL. AGREEMENT OF THE VALUES OF THE PARAMETERS OF THE HILL EQUATION FITTED TO DATA FOR GLYCOGEN SYNTHESIS IN VIVO WITH THE AVAILABLE VALUES OBTAINED IN VITRO WITH ADENOSINE DIPHOSPHOGLUCOSE SYNTHETASE. Dietzler DN, Leckie MP, Lais CJ, Magnani JL *J Biol Chem* 250: 2383-7, 25 Mar 75 (Eng)

Diabetes Literature—Keyword Index

ADENOSINE TRIPHOSPHATASE

ADENOSINE TRIPHOSPHATASE

HORMONE ACTION AND MEMBRANE FLUIDITY: EFFECT OF INSULIN AND CORTISOL ON THE HILL COEFFICIENTS OF RAT ERYTHROCYTE MEMBRANE-BOUND ACETYLCHOLINESTERASE AND (NA& & K&)-ATPASE. Massa EM, Morero RD, Bloy B, Farias RN *Biochem Biophys Res Commun* 66: 115-22, 2 Sep 75 (Eng)

CONTROL OF CARDIAC SARCOLEMAL ADENYLATE CYCLASE AND SODIUM, POTASSIUM-ACTIVATED ADENOSINETRIPHOSPHATASE ACTIVITIES. Tada M, Kirchberger MA, Iorio JM, Katz AM *Circ Res* 36: 8-17, Jan 75 (Eng)

[INTERACTION OF NA&, K&-ATPASE WITH OUBAIN] Nazarenko VI *Ukr Biokhim Zh* 46: 531-43, Jul-Aug 74 (Rus) [97]

ADENOSINE TRIPHOSPHATASE ACTIVITY

EFFECT OF ETHANOL AND ACETALDEHYDE ON THE (NA& & K&)-ACTIVATED ADENOSINE TRIPHOSPHATASE ACTIVITY OF CARDIAC PLASMA MEMBRANES. Williams JW, Tada M, Katz AM, Rubin E *Biochem Pharmacol* 24: 27-32, 1 Jan 75 (Eng)

ADENOSINE TRIPHOSPHATE

THE RAPID LABELING OF ADENOSINE TRIPHOSPHATE BY 32P-LABELED INORGANIC PHOSPHATE AND THE EXCHANGE OF PHOSPHATE OXYGENS AS RELATED TO CONFORMATIONAL COUPLING IN OXIDATIVE PHOSPHORYLATION. Cross RL, Boyer PD *Biochemistry* 14: 392-8, 28 Jan 75 (Eng)

MECHANISMS FOR ELECTRON TRANSFER ASSISTED PHOSPHORYLATION, AND ATP HYDROLYSIS. Haight GP, Scott RA, Woltermann GM *Physiol Chem Phys* 6: 375-8, 1974 (Eng)

RAPID ASSAYS FOR ADENYLATE CYCLASE AND 3,5 CYCLIC AMP PHOSPHODIESTERASE ACTIVITIES. SIMULTANEOUS MEASUREMENTS OF OTHER PATHWAYS OF ATP CATABOLISM. Delaage MA, Bellon BN, Cailla HL *Anal Biochem* 62: 417-25, Dec 74 (Eng)

PROTECTION OF RENAL PHOSPHOENOLPYRUVATE CARBOXYKINASE AGAINST DEGRADATION IN VITRO BY ATP, CYCLIC AMP AND AMINO ACIDS. Seubert W, Peters HH, Boie-Nath A *Biochem Biophys Res Commun* 63: 36-42, 3 Mar 75 (Eng)

THE INFLUENCE OF RESPIRATION AND ATP HYDROLYSIS ON THE PROTON-ELECTROCHEMICAL GRADIENT ACROSS THE INNER MEMBRANE OF RAT-LIVER MITOCHONDRIA AS DETERMINED BY ION DISTRIBUTION. Nicholls DG *Eur J Biochem* 50: 305-15, 16 Dec 74 (Eng)

REGULATION OF PYRUVATE DEHYDROGENASE IN ISOLATED RAT LIVER MITOCHONDRIA. EFFECTS OF OXALATE, OXIDATION-REDUCTION STATE, AND ADENOSINE TRIPHOSPHATE TO ADENOSINE DIPHOSPHATE RATIO. Taylor SI, Mukherjee C, Jungas RL *J Biol Chem* 250: 2028-35, 25 Mar 75 (Eng)

ADENOSINE TRIPHOSPHATE ANALOG

ACTION OF THE ADENOSINE TRIPHOSPHATE ANALOG, ADENYLIC IMIDODIPHOSPHATE IN MITOCHONDRIA. Melnick RL, De Sousa JT, Maguire J, Packer L *Arch Biochem Biophys* 166: 139-44, Jan 75 (Eng)

ADENOSINE-3,5-CYCLICMONOPHOSPHATE

DECREASED CYCLIC AMP AND INSULIN RESPONSE TO GLUCOSE IN ISOLATED ISLETS OF NEONATAL RATS. Grill V, Asplund K, Hellerstrom C, Cerasi E *Diabetes* 24: 746-52, Aug 75 (Eng)

HORMONAL CONTROL OF CYCLIC 3,5-AMP LEVELS AND GLUCONEOGENESIS IN ISOLATED HEPATOCYTES FROM FED RATS. Pilkis SJ, Claus TH, Johnson RA, Park CR *J Biol Chem* 250: 6328-36, 25 Aug 75 (Eng)

LACK OF FEEDBACK REGULATION OF CYCLIC 3,5-AMP ACCUMULATION BY FREE FATTY ACIDS IN CHICKEN FAT CELLS. Malgieri JA, Shepherd RE, Fain JN *J Biol Chem* 250: 6593-8, 25 Aug 75 (Eng)

EFFECTS OF CYCLIC ADENOSINE 3,5-MONOPHOSPHATE AND ITS DIBUTYRYL DERIVATIVES ON CATECHOLAMINE SYNTHESIS IN BOVINE ADRENAL MEDULLARY SLICES. Oka M, Izumi F *FEBS Lett* 51: 253-6, 1 Mar 75 (Eng)

CYCLIC AMP. MEMBRANE TRANSPORT AND CELL DIVISION. I. EFFECTS OF VARIOUS CHEMICALS ON CYCLIC AMP LEVELS AND RATE OF TRANSPORT OF NUCLEOSIDES, HYPOXANTHINE AND DEOXYGLUCOSE IN SEVERAL LINES OF CULTURED CELLS. Sheppard JR, Plagemann PG *J Cell Physiol* 85: 163-72, Apr 75 (Eng)

LETTER: CYCLIC AMP, ALPHA AND BETA RECEPTORS AS A FURTHER EXPLANATION OF THE PROPRANOLOL-FFA ACTIVITY. Flemenbaum A *Psychosom Med* 37: 74, Jan-Feb 75 (Eng)

INFLUENCE OF A SPECIAL CAMP PROGRAM FOR OBESE BOYS ON WEIGHT LOSS, SELF-CONCEPT, AND BODY IMAGE. Rohrbacher R *Res Q Am Assoc Health Phys Educ* 44: 150-7, May 73 (Eng)

RAPID ASSAYS FOR ADENYLATE CYCLASE AND 3,5 CYCLIC AMP PHOSPHODIESTERASE ACTIVITIES. SIMULTANEOUS MEASUREMENTS OF OTHER PATHWAYS OF ATP CATABOLISM. Delaage MA, Bellon BN, Cailla HL *Anal Biochem* 62: 417-25, Dec 74 (Eng)

A MODIFIED ASSAY OF 3,5-CYCLIC-AMP PHOSPHODIESTERASE. Boudreau RJ, Drummond GI *Anal Biochem* 63: 388-99, Feb 75 (Eng)

PROTECTION OF RENAL PHOSPHOENOLPYRUVATE CARBOXYKINASE AGAINST DEGRADATION IN VITRO BY ATP, CYCLIC AMP AND AMINO ACIDS. Seubert W, Peters HH, Boie-Nath A *Biochem Biophys Res Commun* 63: 36-42, 3 Mar 75 (Eng)

[EXISTENCE OF A PROTEIN KINASE ACTIVITY WHICH MAYBE STIMULATED BY 3,5-CYCLIC ADENOSINE MONOPHOSPHATE IN ADIPOSE TISSUE OF A TELEOSTEAN FISH, THE TROUT (SALMO GAIARDNERII R.)] Fontaine-Bertrand E, Delerue-Le Belle N, Fontaine YA *Biochimie* 56: 1123-8, 1974 (Fre)

[PROCEEDINGS: DIENCEPHALON-PITUITARY-ADRENAL SYSTEM AND CYCLIC AMP] Makino E, Matsushima Y, Masaka M, Yamamoto M, Kumagai A *Folia Endocrinol Jpn* 50: 469, 20 Feb 74 (Jpn)

[PROCEEDINGS: ACTION MECHANISM OF LIPID MOBILIZING HORMONE AND CAMP] Saito Y, Matsuoka N, Okuda T, Fujii S *Folia Endocrinol Jpn* 50: 479, 20 Feb 74 (Jpn)

BETA-ADRENERGIC STIMULATION OF CYCLIC AMP AND PROTEIN KINASE ACTIVITY IN THE THYROID. Spaulding SW, Burrow GN *Nature* 254: 347-9, 27 Mar 75 (Eng)

EFFECTS OF PROGESTERONE AND EDTA ON CYCLIC AMP AND PHOSPHODIESTERASE

IN DICTYOSTELIUM DISCOIDEUM. Klein C, Brachet P *Nature* 254: 432-4, 3 Apr 75 (Eng)

[PLASMA NORADRENALINE AND ADRENALINE, PLASMA RENIN ACTIVITY AND CYCLIC AMP DURING REST PERIOD AND ORTHOSTATIS IN VARIOUS TYPES OF HYPERTENSION] Brecht HM, Musil HA, Vlachoyannis J, Schoeppe W *Verh Dtsch Ges Inn Med* 80: 245-8, 1974 (Ger)

ADENOSINE-3,5-MONOPHOSPHATE

[TEMPORAL RELATIONSHIP CONCERNING CHANGES IN BLOOD INSULIN, SUGAR AND ADENOSINE-3,5-MONOPHOSPHATE FOLLOWING ADMINISTRATION OF GLUCAGON TO HEALTHY SUBJECTS] Czekalski S, Kosowicz J, Kozak W, Ruskowska J *Pol Arch Med Wewn* 54: 127-32, Aug 75 (Pol)

ADENYLATE CYCLASE

INHIBITION OF BASAL AND HORMONE-STIMULATED ADENYLATE CYCLASE IN ADIPOCYTE GHOSTS BY THE PROSTAGLANDIN ENDOPEROXIDE PROSTAGLANDIN H2. Gorman RR, Hamberg M, Samuelsson B *J Biol Chem* 250: 6460-3, 25 Aug 75 (Eng)

LIVER MEMBRANE ADENYLATE CYCLASE. SYNERGISTIC EFFECTS OF ANIONS ON FLUORIDE, GLUCAGON, AND GUANYL NUCLEOTIDE STIMULATION. Johnson RA, Pilkis SJ, Hamet P *J Biol Chem* 250: 6599-607, 25 Aug 75 (Eng)

STIMULATION OF RAT LIVER ADENYLATE CYCLASE BY HALOTHANE. Rosenberg H, Pohl S *Life Sci* 17: 431-4, 1 Aug 75 (Eng)

EPINEPHRINE STIMULATION OF FAT CELL ADENYLATE CYCLASE: REGULATION BY GUANOSINE-5-TRIPHOSPHATE AND MAGNESIUM ION. Siegel MI, Cuatrecasas P *Mol Cell Endocrinol* 1: 89-98, Apr 74 (Eng)

MULTIPLE INHIBITORY AND ACTIVATING EFFECTS OF NUCLEOTIDES AND MAGNESIUM ON ADRENAL ADENYLATE CYCLASE. Londres C, Rodbell M *J Biol Chem* 250: 3459-65, 10 May 75 (Eng)

CATECHOLAMINE STIMULATED MYOCARDIAL ADENYLATE CYCLASE: EFFECTS OF PHOSPHOLIPASE DIGESTION AND THE ROLE OF MEMBRANE LIPIDS. Lefkowitz RJ *J Mol Cell Cardiol* 7: 27-37, Jan 75 (Eng)

BIPHASIC EFFECT OF 5-GUANYLYLMIDODIPHOSPHATE ON FAT CELL ADENYLATE CYCLASE. Ebert R, Schwabe U *Naunyn Schmiedeberg Arch Pharmacol* 286: 297-313, 1974 (Eng)

RAPID ASSAYS FOR ADENYLATE CYCLASE AND 3,5 CYCLIC AMP PHOSPHODIESTERASE ACTIVITIES. SIMULTANEOUS MEASUREMENTS OF OTHER PATHWAYS OF ATP CATABOLISM. Delaage MA, Bellon BN, Cailla HL *Anal Biochem* 62: 417-25, Dec 74 (Eng)

CONTROL OF CARDIAC SARCOLEMAL ADENYLATE CYCLASE AND SODIUM, POTASSIUM-ACTIVATED ADENOSINETRIPHOSPHATASE ACTIVITIES. Tada M, Kirchberger MA, Iorio JM, Katz AM *Circ Res* 36: 8-17, Jan 75 (Eng)

THE CONTROL OF ADENYLATE CYCLASE BY CALCIUM IN TURKEY ERYTHROCYTE GHOSTS. Steer ML, Levitzki A *J Biol Chem* 250: 2080-4, 25 Mar 75 (Eng)

A PERSISTENT ACTIVE STATE OF THE ADENYLATE CYCLASE SYSTEM PRODUCED BY THE COMBINED ACTIONS OF ISOPROTERENOL AND GUANYLYL IMIDODIPHOSPHATE IN FROG ERYTHROCYTE MEMBRANES. Schramm M, Rodbell M *J Biol Chem* 250: 2232-7, 25 Mar 75 (Eng)

Diabetes Literature—Keyword Index

ADENYLATE CYCLASE, MYOCARDIAL

CATECHOLAMINE STIMULATED MYOCARDIAL ADENYLATE CYCLASE: EFFECTS OF PHOSPHOLIPASE DIGESTION AND THE ROLE OF MEMBRANE LIPIDS. Lefkowitz RJ *J Mol Cell Cardiol* 7: 27-37, Jan 75 (Eng)

ADENYLIL IMIDODIPHOSPHATE

ACTION OF THE ADENOSINE TRIPHOSPHATE ANALOG, ADENYLIL IMIDODIPHOSPHATE IN MITOCHONDRIA. Melnick RL, De Sousa JT, Maguire J, Packer L *Arch Biochem Biophys* 166: 139-44, Jan 75 (Eng)

ADIPOCYTE

HUMAN ADIPOCYTE CHOLESTEROL CONCENTRATION, LOCALIZATION, SYNTHESIS, AND TURNOVER. Schreibman PH, Dell RB *J Clin Invest* 55: 986-93, May 75 (Eng)

ADIPOCYTE GHOST

INHIBITION OF BASAL AND HORMONE-STIMULATED ADENYLATE CYCLASE IN ADIPOCYTE GHOSTS BY THE PROSTAGLANDIN ENDOPEROXIDE PROSTAGLANDIN H₂. Gorman RR, Hamburg M, Samuelsson B *J Biol Chem* 250: 6460-3, 25 Aug 75 (Eng)

ADIPOCYTE, RAT

EFFECT OF HALOFENATE AND CLOFIBRATE ON LIPID SYNTHESIS IN RAT ADIPOCYTES. Greenspan MD, Gersmehausen JJ, Mackow R *Biochim Biophys Acta* 380: 190-8, 20 Feb 75 (Eng)

ADIPOLINETIC HORMONE

INSECTIDINE-INDUCED RELEASE OF HYPERGLYCAEMIC AND ADIPOLINETIC HORMONES OF SCHISTOCERCA GREGARIA. Samaranayaka M *Gen Comp Endocrinol* 24: 424-36, Dec 74 (Eng)

ADIPOSE DEPOSIT

[EVOLUTION OF DIFFERENT TYPES OF ADIPOSE DEPOSITS AFTER BIRTH IN NORMAL OR HYPOPHYSECTOMIZED SHEEP MERINOS DALLIES] Vezinhet A, Prudhon M, Benevent M *Ann Biol Anim Biochim Biophys* 14: 117-29, 1974 (Fre)

ADIPOSE TISSUE

ADRENERGIC RECEPTORS IN ADIPOSE TISSUE AND THEIR RELATION TO ADRENERGIC INNERVATION. Rosell S, Beltrage E *Nature* 253: 738-9, 27 Feb 75 (Eng)

[EXISTENCE OF A PROTEIN KINASE ACTIVITY WHICH MAYBE STIMULATED BY 3,5-CYCLIC ADENOSINE MONOPHOSPHATE IN ADIPOSE TISSUE OF A TELEOSTEAN FISH, THE TROUT (SALMO GAIARDNERII R.)] Fontaine-Bertrand E, Delerue-Le Belle N, Fontaine YA *Biochimie* 56: 1123-8, 1974 (Fre)

[PROCEEDINGS: EFFECT OF GLUCOCORTICOID AND ESTROGEN ON GLUCOSE UPTAKE BY THE ADIPOSE TISSUE] Umehara C, Nishikawa Y, Iki Y, Sugimoto T *Folia Endocrinol Jpn* 50: 650, 20 Feb 74 (Jpn)

[BIOLOGICAL EFFECTS OF GROWTH-INDUCING SERUM PROTEINS ON ADIPOSE TISSUE] Renner R, Hepp KD, Mehnert H, Vexler J, Frank W *Verh Dtsch Ges Inn Med* 80: 1222-4, 1974 (Ger)

EFFECT OF ACTH ON LIPOLYSIS IN ADIPOSE TISSUE OF NORMAL AND ADRENALECTOMIZED RATS IN VIVO. Spirovski MZ, Kovacev VP, Spasovska M, Chernick SS *Am J Physiol* 228: 382-5, Feb 75 (Eng)

ADIPPOSE TISSUE, BROWN

BROWN ADIPOSE TISSUE MITOCHONDRIA. Flatmark T, Pedersen JJ *Biochim Biophys Acta* 416: 53-103, 31 Mar 75 (Eng) [226]

THE FLUIDITY AND ORGANIZATION OF MITOCHONDRIAL MEMBRANE LIPIDS OF THE BROWN ADIPOSE TISSUE OF COLD-ADAPTED RATS AND HAMSTERS AS DETERMINED BY NITROXIDE SPIN PROBES. Cannon B, Polnaszek CF, Butler KW, Eriksson LE, Smith IC *Arch Biochem Biophys* 167: 505-18, Apr 75 (Eng)

EVIDENCE AGAINST A MEDIATORY ROLE OF BROWN ADIPOSE TISSUE IN THE CALORIGENIC RESPONSE OF COLD-ACCLIMATED RATS TO NORADRENALINE. Foster DO *Can J Physiol Pharmacol* 52: 1051-62, Dec 74 (Eng)

[MECHANISM OF THERMOREGULATION IN THE BROWN ADIPOSE TISSUE] Lindberg O *Cesk Fysiol* 23: 77-83, 1974 (Cze)

METABOLIC ACTIVITY OF BROWN ADIPOSE TISSUE DURING DEVELOPMENT. Kunes J, Vizek K, Drahota Z *Physiol Bohemoslov* 21: 609-14, 1972 (Eng)

ADIPOSE TISSUE, HUMAN

ADRENERGIC LIPOLYSIS IN HUMAN ADIPOSE TISSUE IN VITRO. Wenkeova J, Kuhn E, Wenke M *Eur J Pharmacol* 30: 49-55, Jan 75 (Eng)

ADIPOSE TISSUE, RAT

EFFECTS OF N-ETHYLMALIMIDE ON LIPOLYSIS AND GLUCOSE UPTAKE IN RAT ADIPOSE TISSUE. Giudicelli Y, Fieus MN, Nordmann R *Biomedicine [Express]* 21: 452-6, 20 Nov 74 (Eng)

REGULATION, BY INSULIN, OF LIPOPROTEIN LIPASE AND PHOSPHODIESTERASE ACTIVITIES IN RAT ADIPOSE TISSUE. Desai K, Hollenberg CH *Isr J Med Sci* 11: 540-50, Jan 75 (Eng)

THE EFFECT OF ESTROGEN ON THE LIPOPROTEIN LIPASE ACTIVITY OF RAT ADIPOSE TISSUE. Hamosh M, Hamosh P *J Clin Invest* 55: 1132-5, May 75 (Eng)

THE EFFECT OF DIETARY LIPIDS ON LIPOLYSIS IN RAT ADIPOSE TISSUE. Larking PW, Nye ER *Br J Nutr* 33: 291-7, Mar 75 (Eng)

INFLUENCE OF NUTRITIONAL CHANGES ON LIPOPROTEIN LIPASE ACTIVITY. II: THE EFFECT OF HIGH FAT INTAKE ON LEVELS OF ENZYME OF RAT ADIPOSE TISSUE. Ribeiro LP, Schettino CM, Affonso OR, Mitidieri E *Rev Bras Biol* 31: 219-23, Jun 71 (Eng)

ADOLESCENCE

DIABETES IN ADOLESCENCE. Guthrie DW, Guthrie RA *Am J Nurs* 75: 1740-4, Oct 75 (Eng)

ADOLESCENT

SERUM PROINSULIN IN CHILDREN AND ADOLESCENTS WITH CHEMICAL DIABETES. Rosenbloom AL, Starr JJ, Juhn D, Rubenstein AH *Diabetes* 24: 753-7, Aug 75 (Eng)

AGE-ADJUSTED ANALYSIS OF INSULIN RESPONSES DURING NORMAL AND ABNORMAL GLUCOSE TOLERANCE TESTS IN CHILDREN AND ADOLESCENTS. Rosenbloom AL, Wheeler L, Bianchi R, Chin FT, Ti-

ADRENALECTOMY

wary CM, Grgic A *Diabetes* 24: 820-8, Sep 75 (Eng)

STIMULATION OF GROWTH HORMONE SECRETION BY LEVODOPA-PROPRANOLOL IN CHILDREN AND ADOLESCENTS. Anonymous *Pediatrics* 56: 262-6, Aug 75 (Eng)

[DIABETES MELLITUS IN CHILDREN AND ADOLESCENTS (THERAPY, PREVENTION)] Vasiukova EA, Kasatkina EP *Sov Med* 52-6, Jun 75 (Rus)

ADP

SEE ADENOSINE DIPHOSPHATE

ADRENAL

MULTIPLE INHIBITORY AND ACTIVATING EFFECTS OF NUCLEOTIDES AND MAGNESIUM ON ADRENAL ADENYLATE CYCLASE. Lontos C, Rodbell M *J Biol Chem* 250: 3459-65, 10 May 75 (Eng)

ADRENAL, BOVINE

EFFECTS OF CYCLIC ADENOSINE 3,5-MONOPHOSPHATE AND ITS DIBUTYRYL DERIVATIVES ON CATECHOLAMINE SYNTHESIS IN BOVINE ADRENAL MEDULLARY SLICES. Oka M, Izumi F *FEBS Lett* 51: 253-6, 1 Mar 75 (Eng)

ADRENAL CORTEX

QUANTITATIVE ULTRASTRUCTURAL STUDY OF THE ADRENAL CORTEX: EFFECTS OF A MAMMOTROPIC PITUITARY TUMOR PRODUCING GROWTH HORMONE AND PROLACTIN (MTT-W10), AND OF INJECTED GROWTH HORMONE IN THE RAT. Nickerson PA *Albrecht von Graefes Arch Klin Ophthalmol* 194: 52-62, 1975 (Eng)

[CARCINOMA OF THE ADRENAL CORTEX] Dzhurin DS, Michin IV, Popovich S, Manoilovich DL, Dzhordzhevich P *Probl Endokrinol (Mosk)* 20: 51-6, May-Jun 74 (Rus)

ADRENAL GLAND

[KARYOMETRIC STUDIES OF THE PANCREAS AND ADRENAL GLANDS OF THE ALBINO-RAT FED AN UNBALANCED GLUCOSE DIET OR A GLUCOSE DIET SUPPLEMENTED WITH THIAMINE] Hildebrand R *Anat Anz* 137: 187-95, 1975 (Ger)

ADRENAL MEDULLA

THE ADRENAL MEDULLA: A MODEL FOR STUDIES OF HORMONAL AND NEURONAL STORAGE AND RELEASE MECHANISMS. Helle KB, Serck-Hanssen G *Mol Cell Biochem* 6: 127-46, 28 Feb 75 (Eng) [118]

ADRENALECTOMIZED RAT

EFFECT OF ACTH ON LIPOLYSIS IN ADIPOSE TISSUE OF NORMAL AND ADRENALECTOMIZED RATS IN VIVO. Spirovski MZ, Kovacev VP, Spasovska M, Chernick SS *Am J Physiol* 228: 382-5, Feb 75 (Eng)

ADRENALECTOMY

[ELECTRON MICROSCOPIC CHANGES IN RAT HYPOPHYSIS FOLLOWING ADRENALECTOMY AND ACTH ADMINISTRATION. II. NEURONAL LOBE OF THE HYPOPHYSIS] Danielewicz-Kotowicz A *Neuropatol Pol* 13: 49-59, Jan-Mar 75 (Pol)

Diabetes Literature—Keyword Index

ADRENALECTOMY EFFECT

ADRENALECTOMY EFFECT

EFFECT OF PANCREATECTOMY OR ADRENALECTOMY ON THE RESPONSES OF RATS TO MEAL-FEEDING. Kaul L, Berdanier CD *J Nutr* 105: 1176-85, Sep 75 (Eng)

ADRENALINE

[PLASMA NORADRENALINE AND ADRENALINE, PLASMA RENIN ACTIVITY AND CYCLIC AMP DURING REST PERIOD AND ORTHOSTATIS IN VARIOUS TYPES OF HYPERTENSION] Brecht HM, Musil HA, Vlachoyannis J, Schoeppe W *Verh Dtsch Ges Inn Med* 80: 245-8, 1974 (Ger)

ADRENERGIC GLYCOGENOLYTIC RECEPTOR

STUDIES ON THE ADRENERGIC GLYCOGENOLYTIC RECEPTOR IN MAN. Szczawinska K, Szczawinski R, Badyda C, Cenajek D *Acta Physiol Pol* 25: 43-7, Jan-Feb 74 (Eng)

ADRENERGIC RECEPTOR

ADRENERGIC RECEPTORS IN ADIPOSE TISSUE AND THEIR RELATION TO ADRENERGIC INNERVATION. Rosell S, Belfrage E *Nature* 253: 738-9, 27 Feb 75 (Eng)

ADRENOCORTICOTROPIC HORMONE

[PROCEEDINGS: RESPONSES OF PLASMA ACTH, GH, LH, FSH, TSH AND PROLACTIN IN CUSHINGS SYNDROME] Hashimoto K, Asaoka K, Mori M, Yokoyama M, Miyoshi M *Folia Endocrinol Jpn* 50: 537, 20 Feb 74 (Jpn)

[ELECTRON MICROSCOPIC CHANGES IN RAT HYPOPHYSIS FOLLOWING ADRENALECTOMY AND ACTH ADMINISTRATION. II. NEURONAL LOBE OF THE HYPOPHYSIS] Danielewicz-Kotowicz A *Neuropatol Pol* 13: 49-59, Jan-Mar 75 (Pol)

ADRENOCORTICOTROPIC HORMONE EFFECT

EFFECT OF ACTH ON LIPOLYSIS IN ADIPOSE TISSUE OF NORMAL AND ADRENALECTOMIZED RATS IN VIVO. Spirovski MZ, Kovacev VP, Spasovska M, Chernick SS *Am J Physiol* 228: 382-5, Feb 75 (Eng)

ADRENORECEPTOR, ORGAN

[THE ROLE OF THE ADRENORECEPTORS IN SEVERAL ORGANS IN REGULATING CARBOHYDRATE AND LIPID METABOLISM] Henes SH, Poltorak VV *Fiziol Zh* 20: 831-40, Nov-Dec 74 (Ukr) [126]

ADULT

[ACQUIRED ULCERO-MUTILATING ACROPATHIES IN ADULTS. CRITICAL STUDY OF 150 PERSONAL CASES] Barriere H, Litoux P, Bureau B, Guiheneuc P, Welin J *Sem Hop Paris* 51: 595-9, 20 Feb 75 (Fre)

CIRCADIEN VARIATION OF INTEGRATED CONCENTRATION OF GROWTH HORMONE IN CHILDREN AND ADULTS. Plotnick LP, Thompson RG, Kowarski A, de Lacerda L, Migeon CJ, Blizzard RM *Nature* 253: 240-7, 13 Feb 75 (Eng)

ADULT ONSET

COMPARATIVE STUDY OF THE PATHOLOGY OF SUCROSE-INDUCED DIABETES IN THE RAT AND ADULT-ONSET DIABETES IN

MAN. Rosenmann E, Yanko L, Cohen AM *Isr J Med Sci* 11: 753-61, Jul 75 (Eng)

ADULT RAT

EFFECT OF GLUCOSE AND ANTI-INSULIN SERUM ON INSULIN RELEASED FROM ADULT RAT ISOLATED ISLETS OF LANGERHANS IN LONG-TERM ORGAN CULTURE (FOURTEEN DAYS). Turcot-Lemay L, Lacy PE *Diabetes* 24: 658-63, Jul 75 (Eng)

REGIONAL DISTRIBUTION OF ADENINE NUCLEOTIDES, GLYCOGEN, GLUCOSE AND LACTATE IN THE ADULT RAT BRAIN. Zivkoic RV, Mrsulja BB, Djuricic BM *Experientia* 31: 404-6, 15 Apr 75 (Eng)

AFFINITY CHROMATOGRAPHY

PURIFICATION OF HUMAN PLACENTAL ALKALINE PHOSPHATASE. SALT EFFECTS IN AFFINITY CHROMATOGRAPHY. Doellgast GJ, Fishman WH *Biochem J* 141: 103-12, Jul 74 (Eng)

AFRICAN

[CORONAROPATHIES IN THE BLACK AFRICAN. CLINICAL, ETIOLOGICAL AND CURRENT EPIDEMIOLOGICAL ASPECTS (APPROPOS OF 45 CASES)] Bertrand E, Baudin L, Chauvet J, Assamoi M, Beda B, Renambot J, Thomas JY, Le Bras M *Arch Mal Coeur* 67: 1447-55, Dec 74 (Fre)

AGE

AGE-ADJUSTED ANALYSIS OF INSULIN RESPONSES DURING NORMAL AND ABNORMAL GLUCOSE TOLERANCE TESTS IN CHILDREN AND ADOLESCENTS. Rosenbloom AL, Wheeler L, Bianchi R, Chin FT, Tiwary CM, Garg A *Diabetes* 24: 820-8, Sep 75 (Eng)

SLEEP METABOLISM AND AGE. Webb P, Hiestand M *J Appl Physiol* 38: 257-62, Feb 75 (Eng)

LONGITUDINAL STUDY OF AGE AND COHORT INFLUENCES ON DIETARY PATTERNS. Garcia PA, Battese GE, Brewer WD *J Gerontol* 30: 349-56, May 75 (Eng)

AGE-DEPENDENT CHANGES IN THE SENSITIVITY OF THE RAT TO A DIABETOGENIC AGENT (STREPTOZOTOCIN). Masiello P, De Paoli A, Bergamini E *Endocrinology* 96: 787-9, Mar 75 (Eng)

AGE EFFECT

THE EFFECT OF AGE AND THE DURATION OF DIABETES MELLITUS ON THE WIDTH OF THE BASEMENT MEMBRANE OF SMALL VESSELS. Campbell MJ *Aust Dent J* 19: 414-9, Dec 74 (Eng)

[STUDIES UPON THE EFFECT OF AGE AND NUTRITIONAL FACTORS ON LIPID AND PROTEIN METABOLISM IN INFANTS (AUTHORS TRANSL)] Gornicki B, Litwin E, Krukowa A, Kleczkowska H, Rodkiewicz B, Kowalczyk Z, Dzieniszewska L, Wachnik Z, Symonowicz H *Probl Med Wieku Rozwoj* 1: 33-70, 1972 (Pol)

AGE RELATED

[PROCEEDINGS: AGE RELATED CHANGES OF THE PANCREATIC LANGERHANS ISLAND. 5] Endo T, Ichikawa I, Hanyia H, Murachi T *Folia Endocrinol Jpn* 50: 235, 20 Feb 74 (Jpn)

AGED

ACUTE-PHASE INSULIN SECRETION AND GLUCOSE TOLERANCE IN YOUNG AND AGED NORMAL MEN AND DIABETIC PATIENTS. Palmer JP, Ensick JW *J Clin Endocrinol Metab* 41: 498-503, Sep 75 (Eng)

AGING

DECREASE IN MYELIN CONTENT OF RABBIT SCIATIC NERVE WITH AGING AND DIABETES. Spritz N, Singh H, Marinar B *Diabetes* 24: 680-3, Jul 75 (Eng)

[HYPOTHALAMO-HYPOPHYSIAL NEUROSECRETORY SYSTEM IN AGING] Bogdanovich NK *Arkiv Patol* 36: 53-9, 1974 (Rus)

AGITATION EFFECT

THE EFFECT OF AGITATION ON IN VITRO METABOLISM OF ERYTHROCYTES STORED IN CPD-ADENINE. Bensinger TA, Metro J, Beutler E *Transfusion* 15: 140-3, Mar-Apr 75 (Eng)

ALANINE

THE EFFECT OF VITAMINE B6 ON ALANINE TRANSPORT IN TURTLE INTESTINE. Hajjar JJ, Khatib AH *Comp Biochem Physiol [A]* 47: 1135-44, 1 Apr 74 (Eng)

ALANINE EFFECT

THE EFFECT OF ORAL ALANINE ON BLOOD GLUCOSE AND GLUCAGON IN THE HUMAN NEWBORN INFANT. Fiser RH, Williams PR, Fisher DA, DeLameter PV, Sperling MA, Oh W *Pediatrics* 56: 78-81, Jul 75 (Eng)

ALANINE-U-14C

HORMONAL REGULATION OF INCORPORATION OF ALANINE-U-14C INTO GLUCOSE IN HUMAN FETAL LIVER EXPLANTS. EFFECT OF DIBUTYRYL CYCLIC AMP, GLUCAGON, INSULIN, AND TRIAMCINOLONE. Schwartz AL, Rall TW *Diabetes* 24: 650-7, Jul 75 (Eng)

ALBINO RAT

[KARYOMETRIC STUDIES OF THE PANCREAS AND ADRENAL GLANDS OF THE ALBINO-RAT FED AN UNBALANCED GLUCOSE DIET OR A GLUCOSE DIET SUPPLEMENTED WITH THIAMINE] Hildebrand R *Anat Anz* 137: 187-95, 1975 (Ger)

[CHANGES IN THE LIPOLYTIC ACTIVITY OF THE ARTERIAL WALL IN ALBINO RATS I. EFFECT OF ANIMAL AND VEGETABLE FATS] Mitkov D, Milenkov H *Folia Med (Plovdiv)* 10: 359-62, 1968 (Bul)

[VITAMIN A AND BIOLOGICAL MEMBRANES. IV. CHANGES INDUCED BY A VITAMIN A DEFICIENT DIET IN THE FATTY ACID COMPOSITION OF THE STROMA OF ALBINO RAT ERYTHROCYTES] Carbin L, Dazzi E, Padalino A *Acta Vitaminol Enzymol (Milano)* 28: 199-202, 1974 (Ita)

ALBUMIN, PLASMA

LONG CHAIN FATTY ACID BINDING TO HUMAN PLASMA ALBUMIN. Ashbrook JD, Spector AA, Santos EC, Fletcher JE *J Biol Chem* 250: 2333-8, 25 Mar 75 (Eng)

ALBUMIN, SERUM

STUDIES OF A SERUM ALBUMIN-LIPOSOOME COMPLEX AS A MODEL LIPOPROTEIN

Diabetes Literature—Keyword Index

MEMBRANE. Sogor BV, Zull JE *Biochim Biophys Acta* 375: 363-80, 14 Feb 75 (Eng)

SYNTHESIS OF SERUM ALBUMIN IN ISOLATED RAT LIVER PERFUSED BY A SYNTHETIC MEDIUM WITH FLUOROCARBON FC-80 EMULSION AS OXYGEN CARRIER. Novakova V, Birke G, Plantin LO *Acta Physiol Scand* 92: 289-302, Nov 74 (Eng)

ALCOHOL METABOLISM

[ALCOHOL METABOLISM. CURRENT BIOCHEMICAL ASPECTS] Neuzil E, Bousquet F *Sem Hop Ther* 51 suppl: 29-42, Jan 75 (Fre)

ALCOHOL REMOVAL

INCREASED RATE OF ALCOHOL REMOVAL FROM BLOOD WITH ORAL FRUCTOSE AND SUCROSE. Soterakis J, Iber FL *Am J Clin Nutr* 28: 254-7, Mar 75 (Eng)

ALCOHOLIC

ALCOHOLIC DETOSIS. Fulop M, Hoberman HD *Diabetes* 24: 785-90, Sep 75 (Eng)

ALKALINE PHOSPHATASE

PURIFICATION OF HUMAN PLACENTAL ALKALINE PHOSPHATASE. SALT EFFECTS IN AFFINITY CHROMATOGRAPHY. Doellgast GJ, Fishman WH *Biochem J* 141: 103-12, Jul 74 (Eng)

ALKALOSIS, METABOLIC

METABOLIC ALKALOSIS IN DIABETIC KETOSIS. Jimenez JA, Daminano A, Fernandez E, Rodriguez-Rubio F, Garrido M *JAMA* 233: 1193-4, 15 Sep 75 (Eng)

INDOLE-3-ALKANECARBOXYLIC ACID

[INFLUENCE OF INDOLE-3-ALKANECARBOXYLIC ACIDS ON GLUCOSE UTILIZATION IN RATS] Losert W, Kraaz W *Arzneim Forsch* 25: 880-7, Jun 75 (Ger)

ALLOSTERIC REGULATION

EVIDENCE FOR THE ALLOSTERIC REGULATION OF GLYCOGEN SYNTHESIS IN THE INTACT *ESCHERICHIA COLI* CELL. AGREEMENT OF THE VALUES OF THE PARAMETERS OF THE HILL EQUATION FITTED TO DATA FOR GLYCOGEN SYNTHESIS IN VIVO WITH THE AVAILABLE VALUES OBTAINED IN VITRO WITH ADENOSINE DIPHOSPHOGLUCOSE SYNTHETASE. Dietzler DN, Leckie MP, Lais CJ, Magnani JL *J Biol Chem* 250: 2383-7, 25 Mar 75 (Eng)

ALLOXAN DIABETES

NEUROCHEMICAL CORRELATES OF ALLOXAN DIABETES: I. RIBONUCLEIC ACID AND PROTEIN LEVELS OF AMPHIBIAN BRAIN. Nayeemunnisa *Experientia* 31: 942-3, 15 Aug 75 (Eng)

ALLOXAN EFFECT

EFFECTS OF ALLOXAN DIABETES AND INSULIN ON MORPHOLOGY AND CERTAIN FUNCTIONAL ACTIVITIES OF MITOCHONDRIA OF THE RAT LIVER AND HEART. Marinari UM, Monacelli R, Cottalasso D, Novelli A *Acta Diabetol Lat* 11: 296-314, Jul-Aug 74 (Eng)

ALPHA CELL

A MORPHOLOGICAL BASIS FOR INTERCELLULAR COMMUNICATION BETWEEN ALPHA- AND BETA-CELLS IN THE ENDOCRINE PANCREAS. Orci L, Malaisse-Lagae F, Ravazzola M, Rouiller D, Renold AE, Perrelet A, Unger R *J Clin Invest* 56: 1066-70, Oct 75 (Eng)

CONDITIONALLY LETHAL MUTATIONS IN CHINESE HAMSTER CELLS. CHARACTERIZATION OF A CELL LINE WITH A POSSIBLE DEFECT IN THE KREBS CYCLE. DeFrancesco L, Wernitz D, Scheffler IE *J Cell Physiol* 85: 293-305, Apr 75 (Eng)

ALPHA GLUCOSIDASE

[DESCRIPTION OF A METHOD FOR THE DETERMINATION OF GLUCOSE AND ALPHA-GLUCOSIDASE (AUTHORS TRANSL.)] Flores-Carreon A, Ruiz-Herrera J *Rev Lat Am Microbiol* 16: 187-8, Oct-Dec 74 (Spa)

ALPHA RECEPTOR

LETTER: CYCLIC AMP, ALPHA AND BETA RECEPTORS AS A FURTHER EXPLANATION OF THE PROPANOLOL-FFA ACTIVITY. Flomenbaum A *Psychosom Med* 37: 74, Jan-Feb 75 (Eng)

ALPHA RECEPTOR BLOCKADER

[THE INFLUENCE OF ALPHA RECEPTOR BLOCKADERS ON INSULIN SECRETION STIMULATED BY GLUCOSE DURING ANESTHESIA AND SURGERY] Stremmel W *Infusionstherapie* 1: 307-13, Apr 74 (Ger)

D,L-ALPHA-METHYL THYROXINE ETHYL ESTER

[LIPID-LOWERING EFFECT OF D,L-ALPHA-METHYL THYROXINE ETHYL ESTER (CG-635) AND ITS INFLUENCE ON BASAL METABOLIC RATE, HEART AND THYROID GLAND] Kuwashima J, Tsuboi T, Fujitani B, Ishikawa K, Nakamura K *J Pharm Soc Jpn* 94: 1541-9, Dec 74 (Jpn)

ALPHA-METHYL-D-GLUCOSIDE

THE EFFECT OF DIAMIDE AND GLUTATHIONE ON THE UPTAKE OF ALPHA-METHYL-D-GLUCOSIDE BY SLICES OF RAT KIDNEY CORTEX. Pillion DJ, Leibach FH *Biochim Biophys Acta* 382: 246-52, 13 Mar 75 (Eng)

AMINE EFFECT

[PROCEEDINGS: EFFECT OF ACTIVATED AMINES ON CYCLIC GMP LEVELS OF THE CEREBRAL CORTEX, HYPOTHALAMUS AND ANTERIOR PITUITARY GLAND] Sato A, Onaya T, Yamada T *Folia Endocrinol Jpn* 50: 476, 20 Feb 74 (Jpn)

AMINE INTERACTION

[PROCEEDINGS: ROLE OF ACTIVE AMINES IN GROWTH HORMONE SECRETION: WITH SPECIAL REFERENCE TO INTERACTION OF VARIOUS AMINES] Nakai Y, Kurahachi H, Minamoto M, Yoshimi T, Fukase M *Folia Endocrinol Jpn* 50: 279, 20 Feb 74 (Jpn)

AMINO ACID, PLASMA

AMINE PRECURSOR UPTAKE AND DECARBOXYLATION

[THE FUNCTIONAL CYTOCHEMISTRY OF AMINE PRECURSOR UPTAKE AND DECARBOXYLATION (APUD) CELLS AND ITS USES IN PATHOLOGY] Berger G, Barthelemy C, Tabib A *Ann Anat Pathol (Paris)* 19: 371-98, Oct-Dec 74 (Fre)

AMINO ACID

PROTEIN SYNTHESIS AND AMINO ACID ACCUMULATION DURING DEVELOPMENT IN THE RAT: DISSOCIATION OF DIAPHRAGM AND HEART MUSCLE SENSITIVITY TO INSULIN. Asplund K *Horm Res* 6: 12-9, 1975 (Eng)

TRANSPORT OF SUGARS AND AMINO ACIDS IN BACTERIA. XII. SUBSTRATE SPECIFICITIES OF THE BRANCHED CHAIN AMINO ACID-BINDING PROTEINS OF *ESCHERICHIA COLI*. Amanuma H, Anraku Y *J Biochem (Tokyo)* 76: 1165-73, Dec 74 (Eng)

COUPLING OF ALANINE RACEMASE AND D-ALANINE DEHYDROGENASE TO ACTIVE TRANSPORT OF AMINO ACIDS IN *ESCHERICHIA COLI* B MEMBRANE VESICLES. Kaczorowski G, Shaw L, F-entes M, Walsh C *J Biol Chem* 250: 2855-65, 25 Apr 75 (Eng)

PROCEEDINGS: THE EFFECT OF CASEIN AND AMINO ACIDS ON GLUCOSE SYNTHESIS IN SHEEP. Lindsay DB, Dyke C *Proc Nutr Soc* 33: 39a-40a, Sep 74 (Eng)

PROTECTION OF RENAL PHOSPHOENOLPYRUVATE CARBOXYKINASE AGAINST DEGRADATION IN VITRO BY ATP, CYCLIC AMP AND AMINO ACIDS. Seubert W, Peters HH, Boie-Nath A *Biochem Biophys Res Commun* 63: 36-42, 3 Mar 75 (Eng)

INCORPORATION OF ¹⁴C FROM GLUCOSE INTO GLYCOGEN AND SOME AMINO ACIDS OF CEREBRAL CORTEX INFLUENCED BY POTASSIUM IONS IN VIVO. Krivanek J *Physiol Bohemoslov* 21: 615-22, 1972 (Eng)

[BILE ACIDS AND THE ACTIVE TRANSPORT OF SUGARS AND AMINO ACIDS] Casparly WF *Verh Dtsch Ges Inn Med* 80: 412-5, 1974 (Ger)

AMINO ACID EFFECT

THE EFFECT OF SOME AMINO ACIDS ON CARBOHYDRATE UPTAKE BY TRYPA NOSOMA LEWISI. Sanchez G *Comp Biochem Physiol [A]* 47: 553-8, 1 Feb 74 (Eng)

AMINO ACID, NEUTRAL

DISTINCT COMPONENTS OF NEUTRAL AMINO ACID TRANSPORT IN CHICK SMALL INTESTINE. Miller DS, Burrill P, Lerner J *Comp Biochem Physiol [A]* 47: 767-77, 1 Feb 74 (Eng)

AMINO ACID, PLASMA

PLASMA AMINO ACID LEVELS AND DEVELOPMENT OF HEPATIC GLUCONEOGENESIS IN THE NEWBORN RAT. Girard JR, Guillet I, Marty J, Marliss EB *Am J Physiol* 229: 466-73, Aug 75 (Eng)

ACUTE COLD EXPOSURE AND THE METABOLISM OF BLOOD GLUCOSE, LACTATE AND PYRUVATE, AND PLASMA AMINO ACIDS IN THE HIND LEG OF THE FED AND FASTED YOUNG OX. Bell AW, Gardner JW, Manson W, Thompson GE *Br J Nutr* 33: 207-17, Mar 75 (Eng)

Diabetes Literature—Keyword Index

AMINO ACID SEQUENCE

AMINO ACID SEQUENCE

[STUDIES ON THE COMMON ACTIVE SITE OF GROWTH HORMONE. REVISION OF THE AMINO ACID SEQUENCE OF AN ACTIVE FRAGMENT OF BOVINE GROWTH HORMONE. Yamasaki N, Shimanaka J, Sonenberg M *J Biol Chem* 250: 2510-4, 10 Apr 75 (Eng)]

AMINO ACID UPTAKE

[POTASSIUM TRANSPORT AND THE RELATIONSHIP BETWEEN INTRACELLULAR POTASSIUM CONCENTRATION AND AMINO ACID UPTAKE BY CELLS OF A MARINE PSEUDOMONAD. Thompson J, MacLeod RA *J Bacteriol* 120: 598-603, Nov 74 (Eng)]

AMINO NITROGEN

[PROCEEDINGS: BLOOD FLOW AND FREE AMINO NITROGEN (FAN) CONCENTRATION IN THE PORTAL VEIN OF THE PIG. Farrell DJ, Jones AS, Webster AJ, White F *Proc Nutr Soc* 33: 32a-33a, Sep 74 (Eng)]

AMINO TERMINAL RESIDUE

[AMINO TERMINAL RESIDUE HETEROGENEITY OF BOVINE AND OVINE GROWTH HORMONES AS REVEALED BY POLYACRYLAMIDE GEL ELECTROPHORESIS. Lorensen MG, Ellis S *Endocrinology* 96: 833-8, Apr 75 (Eng)]

AMP

[SEE ADENOSINE-3,5-CYCLOC-MONOPHOSPHATE]

AMPHIBIAN

[NEUROCHEMICAL CORRELATES OF ALLOXAN DIABETES: I. RIBONUCLEIC ACID AND PROTEIN LEVELS OF AMPHIBIAN BRAIN. Nayeemunnisa *Experientia* 31: 942-3, 15 Aug 75 (Eng)]

AMYOTROPHY, DIABETIC

[DIABETIC AMYOTROPHY] Indan L, Jackowska D, Matyjek J *Pol Tyg Lek* 30: 1537-8, 15 Sep 75 (Pol)

ANABOLIC THERAPY

[FAVORABLE RESULTS OF ANABOLIC THERAPY IN CASES OF RETINAL DEGENERATION] Sobieska-Clarowa H *Klin Oczna* 45: 811-4, Jul 75 (Pol)

ANALYSIS, AGE ADJUSTED

[AGE-ADJUSTED ANALYSIS OF INSULIN RESPONSES DURING NORMAL AND ABNORMAL GLUCOSE TOLERANCE TESTS IN CHILDREN AND ADOLESCENTS. Rosenbloom AL, Wheeler L, Bianchi R, Chin FT, Tiwary CM, Grgic A *Diabetes* 24: 820-8, Sep 75 (Eng)]

ANESTHESIA

[THE INFLUENCE OF ALPHA RECEPTOR BLOCKADERS ON INSULIN SECRETION STIMULATED BY GLUCOSE DURING ANESTHESIA AND SURGERY] Stremmel W *Infusionstherapie* 1: 307-13, Apr 74 (Ger)

[ALTERATIONS IN PLASMA INSULIN AND BLOOD GLUCOSE DURING ANESTHESIA AND SURGERY] Gosheva-Antonova Ts, Turkoiev N *Khirurgia (Sofia)* 27: 487-92, 1974 (Bul)

ANGIOGRAPHY, FLUORESCIN

[FLUORESCIN ANGIOGRAPHY OF THE IRIS IN DIABETES] Kodejsko J, Kornacki B *Klin Oczna* 45: 973-5, Sep 75 (Pol)

ANGIOPATHY, DIABETIC

[PREVENTION OF DIABETIC ANGIOPATHY OR REVISION OF THE CONCEPT OF CONTROL AND COMPENSATION OF DIABETES AND OF ITS PRACTICAL MANAGEMENT] Scapellato L *Boll Soc Ital Cardiol* 19: 731-8, 1974 (Ita)

[GENERALIZED LIPODYSTROPHY (LIPOATROPHIC DIABETES) WITH DIABETIC ANGIOPATHY] Tenczynski L, Snarski A *Endokrynol Pol* 26: 239-46, May-Jun 75 (Pol)

ANIMAL CELL

[SOME BIOLOGICAL FUNCTIONS OF ANIMAL CELL SURFACE SIALIC ACID RESIDUES. Porwit-Bohr Z, Slowik M *Folia Histochem Cytochem (Krakow)* 12: 335-41, 1974 (Eng)]

ANION

[LIVER MEMBRANE ADENYLATE CYCLASE. SYNERGISTIC EFFECTS OF ANIONS ON FLUORIDE, GLUCAGON, AND GUANYL NUCLEOTIDE STIMULATION. Johnson RA, Pilgis SJ, Hamet P *J Biol Chem* 250: 6599-607, 25 Aug 75 (Eng)]

ANION CENTER

[PERMEABILITY OF THE SODIUM CHANNEL OF BIOMEMBRANES IN THE PRESENCE OF A FIXED ANION CENTER] Aitjan SKh, Chizmadzhev luA *Dokl Akad Nauk SSSR* 220: 1203-6, 1975 (Rus)

ANOXIC PERFUSION

[EFFECT OF GLUCOSE IN ISOPROTERENOL-INDUCED NECROTIC HEART UNDER ANOXIC PERFUSION. Tsuboi T, Osawa Y, Ishikawa K, Yoshida K, Shimizu M *Jpn J Pharmacol* 24: 803-8, Oct 74 (Eng)]

ANTIBODY

[LIPID-SPECIFIC ANTIBODIES ELICITED WITH SYNTHETIC LIPID CONJUGATES. Arnon R, Teitelbaum D *Chem Phys Lipids* 13: 352-66, Dec 74 (Eng)]

ANTICOAGULANT TOLERANCE

[CHANGES IN ANTICOAGULANT TOLERANCE. II. EFFECTS OF CARDIAC INSUFFICIENCY AND DRUGS ADMINISTERED FOR ITS THERAPY] Nelius D *Z Alternsforsch* 28: 363-7, 1974 (Ger)

ANTI-DIABETIC

[AN ACUTE DIABETIC SYNDROME INDUCED IN RATS BY ANTI-INSULIN SERUM AS AN EXPERIMENTAL MODEL FOR THE STUDY OF SEVERAL ANTIDIABETIC AGENTS] Andreev D, Strashimirov D, Ditsov S, Dashev G *Eksp Med Morfol* 13: 95-101, 1974 (Bul)

[HISTOPATHOLOGY OF THE ENDOCRINE PANCREAS OF A FRESH-WATER FISH, CLARIAS BATRACHUS (L.) IX: EFFECT OF THE NEW ANTIDIABETIC DRUG, GLIBENCLAMIDE (HB 419). Bhatt SD *Anat Anz* 137: 138-46, 1975 (Eng)]

ANTIGENICITY

[ANTIGENICITY OF MONOCOMPONENT PORK INSULIN IN DIABETIC SUBJECTS. Yue DK, Turtle JR *Diabetes* 24: 625-32, Jul 75 (Eng)]

ANTI-INSULIN SERUM

[AN ACUTE DIABETIC SYNDROME INDUCED IN RATS BY ANTI-INSULIN SERUM AS AN EXPERIMENTAL MODEL FOR THE STUDY OF SEVERAL ANTIDIABETIC AGENTS] Andreev D, Strashimirov D, Ditsov S, Dashev G *Eksp Med Morfol* 13: 95-101, 1974 (Bul)

[EFFECT OF GLUCOSE AND ANTI-INSULIN SERUM ON INSULIN RELEASED FROM ADULT RAT ISOLATED ISLETS OF Langerhans in LONG-TERM ORGAN CULTURE (FOURTEEN DAYS). Turcot-Lemay L, Lacy PE *Diabetes* 24: 658-63, Jul 75 (Eng)]

ANTILIPOLYTIC TREATMENT

[CONTROL OF VENTRICULAR ARRHYTHMIAS DURING MYOCARDIAL INFARCTION BY ANTILIPOLYTIC TREATMENT USING A NICOTINIC-ACID ANALOGUE. Rowe MJ, Neilson JM, Oliver MF *Lancet* 1: 295-300, 8 Feb 75 (Eng)]

AORTA, HUMAN

[THE GROSS AND HISTOLOGIC APPEARANCE AND THE LIPID COMPOSITION OF NORMAL INTIMA AND LESIONS FROM HUMAN CORONARY ARTERIES AND AORTA. Pangamala RV, Geer JC, Sharma HM, Cornwell DG *Atherosclerosis* 20: 93-104, Jul-Aug 74 (Eng)]

AORTA, PIG

[FOCAL DIFFERENCES IN LIPID METABOLISM OF THE YOUNG PIG AORTA. SYNTHESIS FROM [1-14C]ACETATE AND [U-14C]GLUCOSE IN VITRO. Somer JB, Bell FP, Schwartz CJ *Atherosclerosis* 20: 11-21, Jul-Aug 74 (Eng)]

AORTA, RABBIT

[SCANNING ELECTRON MICROSCOPIC OBSERVATIONS OF ENDOTHELIAL CHANGES IN EXPERIMENTALLY INDUCED ATHEROMATOSIS OF RABBIT AORTAS. de Bruijn WC, van Mourik W *Virchows Arch [Pathol Anat]* 365: 23-40, 1975 (Eng)]

[UPTAKE, OXIDATION, AND ESTERIFICATION OF FREE FATTY ACIDS IN NORMAL AND ATHEROSCLEROTIC RABBIT AORTA. Morrison ES, Scott RF, Kroms M, Frick J *Biochem Med* 11: 153-64, Oct 74 (Eng)]

AORTA, RAT

[COMPARATIVE STUDY OF LIPOLYTIC ACTIVITIES OF RABBIT AND RAT AORTAS AND ARTERIES OF HUMAN UMBILICAL CORD. Stefanovich V, Balogh K *Cump Biochem Physiol [B]* 50: 159-63, 15 Jan 75 (Eng)]

AORTO-CORONARY BYPASS

[AORTO-CORONARY BYPASS IN THE DIABETIC PATIENT. Draskoczy SP, Leland OS, Bradley RF *Kidney Int [Suppl]* 37-40, Oct 74 (Eng)]

APOPLEXY, PITUITARY

[PROCEEDINGS: PITUITARY APOPLEXY COMPLICATING THE CLINICAL COURSE OF ACROMEGALY] Abe T, Hino M,

Diabetes Literature—Keyword Index

ATHEROSCLEROSIS RESISTANT PIGEON

Shimoyama A, Hirata Y *Folia Endocrinol Jpn* 50: 283, 20 Feb 74 (Jpn)

APPETITE

APPETITE AND INSULIN-METABOLITE HARMONY IN PORTAL BLOOD OR SHEEP FED HIGH OR LOW ROUGHAGE DIET WITH OR WITHOUT INTRARUMINAL INFUSION OF VFA. Bhattacharya AN, Alulu M *J Anim Sci* 41: 225-33, Jul 75 (Eng)

EFFECT OF (-)-HYDROXYCITRATE ON LIPOGENESIS, APPETITE AND BODY WEIGHT IN RATS. Anonymous *Nutr Rev* 33: 53-5, Feb 75 (Eng)

ARCHITECTURE, SURFACE

THE EFFECTS OF LOW CONCENTRATIONS OF 2-DEOXY-D-GLUCOSE ON THE GROWTH, SURFACE ARCHITECTURE, AND GLYCOPROTEIN METABOLISM OF P388 LYMPHOMA CELLS. Myers MW, Sartorelli AC *Biochem Biophys Res Commun* 63: 164-71, 3 Mar 75 (Eng)

ARGININE

[COMPARISON OF INSULIN REACTIONS IN VARIOUS DISEASES TO GLUCOSE, ARGinine, AND GLUCAGON] Taminato A, Inoue Y, Mori K, Goto K, Kurahachi H *Clin Endocrinol (Tokyo)* 23: 373-9, Apr 75 (Jpn)

ARGININE-STIMULATED ACUTE PHASE OF INSULIN AND GLUCAGON SECRETION. I. IN NORMAL MAN. Palmer JP, Walter RM, Einsick JW *Diabetes* 24: 735-40, Aug 75 (Eng)

GLUCAGON RESPONSE TO ARGinine AFTER TREATMENT OF DIABETES MELLITUS. Ohneda A, Ishii S, Horigome K, Yamagata S *Diabetes* 24: 811-9, Sep 75 (Eng)

BEHAVIOR OF PANCREATIC GLUCAGON, INSULIN, AND HGH IN LIVER CIRRHOSIS, AFTER ARGinine AND L.V. GLUCOSE. Greco AV, Ghirlanda G, Patrono C, Fedili G, Manna R *Acta Diabetol Lat* 11: 330-9, Jul-Aug 74 (Eng)

[PROCEEDINGS: EFFECTS OF GLUCOSE AND ARGinine ON SYNTHESIS AND SECRETION OF PITUITARY GROWTH HORMONE AND PROLACTIN IN RATS] Kasai K, Ieiri S, Yamamoto K *Folia Endocrinol Jpn* 50: 285, 20 Feb 74 (Jpn)

ARGININE GUANIDINO GROUP

STRUCTURE AND ACTIVITY OF INSULIN, XIII. SPECIFICITY OF THE ARGinine-GUANIDINO GROUP IN BIOLOGICALLY ACTIVE TETRAPEPTIDES OF THE INSULIN SEQUENCE B 22-25 (ARG-GLY-PHE-PHE). Weitzel G, Eisele K, Stock W *Hoppe Seylers Z Physiol Chem* 356: 583-90, May 75 (Eng)

ARG-GLY-PHE-PHE

STRUCTURE AND ACTIVITY OF INSULIN, XIII. SPECIFICITY OF THE ARGinine-GUANIDINO GROUP IN BIOLOGICALLY ACTIVE TETRAPEPTIDES OF THE INSULIN SEQUENCE B 22-25 (ARG-GLY-PHE-PHE). Weitzel G, Eisele K, Stock W *Hoppe Seylers Z Physiol Chem* 356: 583-90, May 75 (Eng)

ARRHYTHMIA

EDITORIAL: FREE FATTY ACIDS AND ARRHYTHMIAS AFTER ACUTE MYOCARDIAL INFARCTION. Anonymous *Lancet* 1: 313-4, 8 Feb 75 (Eng)

ARRHYTHMOGENIC

LETTERS TO THE EDITOR: ARE FREE FATTY ACIDS ARRHYTHMOGENIC EFFECTS ON CELLULAR CARDIAC ACTION POTENTIALS. Wasilewska-Dziubinska E *J Mol Cell Cardiol* 7: 153-4, Feb 75 (Eng)

LETTER: ARE FREE FATTY ACIDS ARRHYTHMOGENIC Opie LH, Lubbe WF *J Mol Cell Cardiol* 7: 155-9, Feb 75 (Eng)

ARTERIAL DISEASE

GLYCOSAMINOGLYCANS AND ARTERIAL DISEASE. Robinson RW, Likar IN, Likar LJ *Monogr Atheroscler* 5: v-viii, 1-136, 1975 (Eng) [482]

ARTERIAL DISEASE, PERIPHERAL

[PERIPHERAL ARTERIAL DISEASE AND DIABETES MELLITUS(AUTHORS TRANSL.)] Jarosch-von Schweder W, Huchzermeyer H, Alexander K, Mitzkat HJ *Dtsch Med Wochenschr* 100: 1827-32, 12 Sep 75 (Ger)

ARTERIAL WALL

[CHANGES IN THE LIPOLYTIC ACTIVITY OF THE ARTERIAL WALL IN ALBINO RATS I. EFFECT OF ANIMAL AND VEGETABLE FATS] Mitkov D, Milenkov H *Folia Med (Plovdiv)* 10: 359-62, 1968 (Bul)

ARTERIOPATHY

[LETTER: STUDY OF SYMPATHETIC GANGLIC BY ELECTRON MICROSCOPY. ANATOMO-CLINICAL RELATIONS IN ARTERIOPATHIES] Courbier R, Jausseran JM, Reggi M, Choux R, Toga M *Nouv Presse Med* 4: 1814, 14 Jun 75 (Fre)

ARTERIOSCLEROSIS

[PREDIABETIC STATE, DIABETES AND ARTERIOSCLEROSIS] Efendic S, Milentijevic G, Luft R *Srp Arh Celok Lek* 103: 249-55, Apr 75 (Ser)

[EFFECT OF PYRIDINOLCARBAMATE ON LIPID METABOLISM OF NORMAL AND ARTERIOSCLEROTIC INTIMA IN HUMAN FEMORAL ARTERIES] Horsch AK, Gilli J, Schreiter U *Verh Dtsch Ges Inn Med* 80: 952-4, 1974 (Ger)

ARTERY

COMPARATIVE STUDY OF LIPOLYTIC ACTIVITIES OF RABBIT AND RAT AORTAS AND ARTERIES OF HUMAN UMBILICAL CORD. Stefanovich V, Balogh K *Comp Biochem Physiol [B]* 50: 159-63, 15 Jan 75 (Eng)

ARTHUS PHENOMENON

[APPARENT INSULIN INCOMPATIBILITY IN A CASE OF ARTHUS PHENOMENON CAUSED BY SURFEN] Forck G, Wilhelm E, Baumeister G, Westerloh K *Med Welt* 26: 664-9, 4 Apr 75 (Ger)

ASCITIC FLUID

[USE OF GLUCAGON IN SMALL DOSES AND REINFUSION OF DESALTED AND CONCENTRATED ASCITIC FLUID IN THE THERAPY OF REFRACTORY CARDIAC DECOMPENSATION] Vancini B, Govoni P, Caio M *Boll Soc Ital Cardiol* 19: 401-7, 1974 (Ita)

ASTHMATIC CHILD

COMPARATIVE STUDY OF GROWTH IN ASTHMATIC CHILDREN AND OTHER CHILDREN WITH CHRONIC DISEASE TO A CONTROL GROUP. Cernelc D, Cernelc M *Allerg Immunol (Leipz)* 20-21: 7-13, 1974-75 (Eng)

ATHERO-ARTERIOSCLEROSIS

SPECIAL ISSUE ON ATHERO-ARTERIOSCLEROSIS. AN ICONOCLASTIC VIEW OF CURRENT CONCEPTS CONCERNING GENESIS, PREVENTION, AND CONTROL. Blumenthal HT, Alex M *Gerontologia* 21: 129-75, 1975 (Eng)

ATHEROMATOSIS

SCANNING ELECTRON MICROSCOPIC OBSERVATIONS OF ENDOTHELIAL CHANGES IN EXPERIMENTALLY INDUCED ATHEROMATOSIS OF RABBIT AORTAS. de Bruijn WC, van Mourik W *Virchows Arch [Pathol Anat]* 365: 23-40, 1975 (Eng)

ATHEROSCLEROSIS

AN ATHEROSCLEROSIS PREVENTION PROGRAM. EVALUATION OF THE FIRST SIX YEARS. Wear RF Jr, Cox ME, Lento HG *J Occup Med* 17: 295-303, May 75 (Eng)

INHERITED DEPRESSION OF ARTERIAL LIPOAMIDE DEHYDROGENASE ACTIVITY ASSOCIATED WITH SUSCEPTIBILITY TO ATHEROSCLEROSIS IN PIGEONS. Zemlenyi T, Blankenhorn DH, Rosenstein AJ *Circ Res* 36: 640-6, May 75 (Eng)

REVERSIBILITY OF ATHEROSCLEROSIS. Adams CW *Guys Hosp Rep* 122: 327-30, 1973 (Eng)

REPEATED ENDOTHELIAL INJURY AND INDUCTION OF ATHEROSCLEROSIS IN NORMOLIPEMIC RABBITS BY HUMAN SERUM. Friedman RJ, Moore S, Singal DP *Lab Invest* 32: 404-15, Mar 75 (Eng)

THE ROLE OF LIPID IN THE PATHOGENESIS OF ATHEROSCLEROSIS. Stebbins WE *Lancet* 1: 724-7, 29 Mar 75 (Eng)

CHOLESTEROL BALANCE IN ATHEROSCLEROSIS-SUSCEPTIBLE ATHEROSCLEROSIS-RESISTANT PIGEONS. Siekert RG, Dicke BA, Subbiah MT, Kottke BA *Res Commun Chem Pathol Pharmacol* 10: 181-4, Jan 75 (Eng)

UPTAKE, OXIDATION, AND ESTERIFICATION OF FREE FATTY ACIDS IN NORMAL AND ATHEROSCLEROTIC RABBIT AORTA. Morrison ES, Scott RF, Kroms M, Frick J *Biochem Med* 11: 153-64, Oct 74 (Eng)

ARTERIAL LYSOSOMES AND CONNECTIVE TISSUE IN PRIMATE ATHEROSCLEROSIS AND HYPERTENSION. Wolinsky H, Goldfischer S, Daly MM, Kasak LE, Colloff-Schiller B *Circ Res* 36: 553-61, Apr 75 (Eng)

LETTER: HIGH-DENSITY LIPOPROTEIN AND ATHEROSCLEROSIS. Anonymous *Lancet* 1: 691, 22 Mar 75 (Eng)

EDITORIALS: ATHEROSCLEROSIS--A PEDIATRIC PROBLEM. Riley HD Jr *South Med J* 68: 255-7, Mar 75 (Eng)

ATHEROSCLEROSIS RESISTANT PIGEON

CHOLESTEROL BALANCE IN ATHEROSCLEROSIS-SUSCEPTIBLE ATHEROSCLEROSIS-RESISTANT PIGEONS. Siekert RG, Dicke BA, Subbiah MT, Kottke BA *Res Commun Chem Pathol Pharmacol* 10: 181-4, Jan 75 (Eng)

Diabetes Literature—Keyword Index

ATHEROSCLEROTIC LESION

ATHEROSCLEROTIC LESION

REGRESSION OF ESTABLISHED NATURAL ATHEROSCLEROTIC LESIONS BY INTESTINAL BYPASS SURGERY IN PIGEONS: STRUCTURE AND CHEMISTRY. Kottke BA, Unni KK, Carlo IA, Subbiah MT *Trans Assoc Am Physicians* 87: 263-70, 1974 (Eng)

ATP

SEE ADENOSINE TRIPHOSPHATE

ATROPINE

ACTION OF GLUCAGON AND ATROPINE ON MUCOSAL BLOOD FLOW OF RESITING FUNDIC POUCHES OF DOGS. Warrick M, Lin TM *Life Sci* 17: 333-8, 1 Aug 75 (Eng)

ATT-20,D-1 CELL

EVIDENCE FOR GLUCOCORTICOID TRANSPORT INTO ATT-20/D-1 CELLS. Harrison RW 3d, Fairfield S, Orth DN *Biochemistry* 14: 1304-7, 25 Mar 75 (Eng)

AUROTHIOGLUCOSE

ULTRASTRUCTURE OF THE MOUSE PANCREAS AFTER AUROTHIOGLUCOSE ADMINISTRATION. Simkova D, Belak M, Boda K, Kosta K, Dianovska M *Acta Biol Acad Sci Hung* 25: 205-12, 1974 (Eng)

AUTORADIOGRAPHIC ELEMENT

[HISTOCYTOSIS-X. HISTOCHEMICAL AND AUTORADIOGRAPHIC ELEMENTS PROVIDING LIPID SYNTHESIS IN VITRO CULTURE] Nezelof C, Despres S, Barbey S, Rousseau MF *Biomedicine* 20: 414-24, Nov 74 (Fre)

AXON

SLOW AXONAL TRANSPORT OF PROTEINS; BLOCKADE BY INTERRUPTION OF CONTACT BETWEEN CELL BODY AND AXON. Frizell M, McLean WG, Sjostrand J *Brain Res* 86: 67-73, 14 Mar 75 (Eng)

AXONAL FLOW

AXONAL FLOW AND FAST TRANSPORT IN NERVES. Heslop JP *Adv Comp Physiol Biochem* 6: 75-163, 1975 (Eng) [428]

AXONAL MITOCHONDRIA

CYTOCHEMICAL LOCALIZATION OF PHOSPHODIESTERASE: AXONAL MITOCHONDRIA AND MICROTUBULES. Berg JS *J Insect Physiol* 21: 455-61, Feb 75 (Eng)

AXONAL TRANSPORT

INTRA-AXONAL TRANSPORT OF NORADRENALINE: INHIBITION BY FLUORIDE. Mraz P *Folia Morphol (Praha)* 22: 276-7, 1974 (Eng)

AZATHIOPRINE

[PEMPHIGUS AND AZATHIOPRINE] Rancourt J, Lassonde M *Union Med Can* 104: 252-5, Feb 75 (Fre)

BABOON

ADAPTATION TO FASTING IN BABOON. II. REGULATION OF LIPOLYSIS EARLY AND LATE IN FASTING. Koerker DJ, Goodner CJ, Chidekel EW, Ensink JW *Am J Physiol* 229: 350-4, Aug 75 (Eng)

ESTROGEN SYNTHESIS BY THE PREGNANT BABOON. Kling OR, Rubin EJ, Townsley JD *J Med Primatol* 1: 102-13, 1972 (Eng)

BACILLUS LICHENIFORMIS

PURIFICATION AND REGULATION OF FRUCTOSE-1,6-BISPHOSPHATASE FROM BACILLUS LICHENIFORMIS. Ophelm DJ, Bernlohr RW *J Biol Chem* 250: 3024-33, 25 Apr 75 (Eng)

BACILLUS SUBTILIS

REGULATION OF C4-DICARBOXYLIC ACID TRANSPORT IN BACILLUS SUBTILIS. Ghei OK, Kay WW *Can J Microbiol* 21: 527-36, Apr 75 (Eng)

RELATION BETWEEN REDUCED NICOTINAMIDE ADENINE DINUCLEOTIDE OXIDATION AND AMINO ACID TRANSPORT IN MEMBRANE VESICLES FROM BACILLUS SUBTILIS. Bisschop A, de Jong L, Lima Costa ME, Konings WN *J Bacteriol* 121: 807-13, Mar 75 (Eng)

BACTERIA

TRANSPORT OF SUGARS AND AMINO ACIDS IN BACTERIA. XII. SUBSTRATE SPECIFICITIES OF THE BRANCHED CHAIN AMINO ACID-BINDING PROTEINS OF ESCHERICHIA COLI. Amanuma H, Anraku Y *J Biochem (Tokyo)* 76: 1165-73, Dec 74 (Eng)

BAKERS YEAST

3-HYDROXY-3-METHYLGLUTARYL-COA SYNTHASE FROM BAKERS YEAST. Middleton B, Tubbs PK *Methods Enzymol* 35: 173-7, 1975 (Eng)

BAR HARBOR

METABOLIC ANOMALIES OF THE OBESE-HYPERGLYCEMIC (OB/OB) MICE OF BAR HARBOR. Jeanrenaud B, Assimacopoulos-Jeanet F, Loten EG, Karakash C, Le Marchand Y *Isr J Med Sci* 11: 723-9, Jul 75 (Eng)

BARTTERS SYNDROME

[BARTTERS SYNDROME AND TUBULAR FUNCTIONAL DISTURBANCES] Fricker H, Frey K, Vallotton MB, Gugler E *Helv Paediatr Acta* 30: 61-77, May 75 (Ger)

BASAL LAMINA, CAPILLARY

COMPARISON OF THE CAPILLARY BASAL LAMINA WIDTH IN MARGINAL GINGIVA OF DIABETIC AND NON-DIABETIC PATIENTS. Ketcham B, Cobb CM, Denys FR *Ala J Med Sci* 12: 295-301, Jul 75 (Eng)

BASAL METABOLIC RATE

[LIPID-LOWERING EFFECT OF D,L-ALPHA-METHYL THYROXINE ETHYL ESTER (CG-635) AND ITS INFLUENCE ON BASAL METABOLIC RATE, HEART AND THYROID GLAND] Kuwashima J, Tsuboi T, Fujitani B, Ishikawa K, Nakamura K *J Pharm Soc Jpn* 94: 1541-9, Dec 74 (Jpn)

BASEMENT MEMBRANE

THE EFFECT OF AGE AND THE DURATION OF DIABETES MELLITUS ON THE WIDTH OF THE BASEMENT MEMBRANE OF SMALL VESSELS. Campbell MJ *Aust Dent J* 19: 414-9, Dec 74 (Eng)

BASEMENT MEMBRANE COLLAGEN OF RENAL GLOMERULUS. Daniels JR, Chu GH *J Biol Chem* 250: 3531-7, 10 May 75 (Eng)

BASEMENT MEMBRANE DISEASE

BASEMENT MEMBRANE DISEASES: A REVIEW. Read S *Guys Hosp Rep* 123: 53-65, 1974 (Eng) [32]

BEHCETS SYNDROME

BEHCETS SYNDROME: CLINICAL, IMMUNOLOGICAL AND THERAPEUTIC EVALUATION OF 17 PATIENTS. Cooper DA, Penny R *Aust NZ J Med* 4: 585-96, Dec 74 (Eng)

BELLS PALSY

CELLULAR IMMUNE RESPONSE TO PERIPHERAL NERVE BASIC PROTEIN IN IDIOPATHIC FACIAL PARALYSIS (BELLS PALSY). Abramsky O, Webb C, Teitelbaum D, Arnon R *J Neurol Sci* 26: 13-20, Sep 75 (Eng)

BETA ADRENERGIC STIMULATION

BETA-ADRENERGIC STIMULATION OF CYCLIC AMP AND PROTEIN KINASE ACTIVITY IN THE THYROID. Spaulding SW, Burrow GN *Nature* 254: 347-9, 27 Mar 75 (Eng)

BETA ALANINE EFFECT

EFFECT OF BETA-ALANINE ON GLUCOSE AND FRUCTOSE CATABOLISM IN DROSOPHILA MELANOGASTER WITH NOTES ON BETA-AMINOISOBUTYRIC AND GAMMA-AMINOBUTYRIC ACIDS. Jacobs ME *J Insect Physiol* 14: 1259-64, Sep 68 (Eng)

BETA CELL

AN UNUSUAL BETA-CELL ADENOMA. Dewilde J, Baillargeon J, Daloz P, Rasio E *Can Med Assoc J* 113: 413-6, 6 Sep 75 (Eng)

A MORPHOLOGICAL BASIS FOR INTERCELLULAR COMMUNICATION BETWEEN ALPHA- AND BETA-CELLS IN THE ENDOCRINE PANCREAS. Orci L, Malaisse-Lagae F, Ravazzola M, Rouiller D, Renold AE, Perrelet A, Unger R *J Clin Invest* 56: 1066-70, Oct 75 (Eng)

BETA RECEPTOR

LETTER: CYCLIC AMP, ALPHA AND BETA RECEPTORS AS A FURTHER EXPLANATION OF THE PROPRANOLOL-FFA ACTIVITY. Flemenbaum A *Psychosom Med* 37: 74, Jan-Feb 75 (Eng)

BETA RECEPTOR, ADRENERGIC

POTENTIATION OF THE ADRENERGIC BETA-RECEPTOR-MEDIATED INSULIN SECRETION IN PERTUSSIS-SENSITIZED RATS. Sumi T, Ui M *Endocrinology* 97: 352-8, Aug 75 (Eng)

BGH

SEE GROWTH HORMONE/BOVINE

BILAYER MEMBRANE

[PROTON AND ELECTRON TRANSPORT THROUGH BILAYER MEMBRANES AND THE DECANE/WATER INTERFACE IN THE PRESENCE OF CHLOROPHYLL] Volkov AG, Lozhkin BT, Boguslavskii LI *Dokl Akad Nauk SSSR* 220: 1207-10, 1975 (Rus)

BILE ACID

[BILE ACIDS AND THE ACTIVE TRANSPORT OF SUGARS AND AMINO ACIDS] Caspary WF *Verh Dtsch Ges Inn Med* 80: 412-5, 1974 (Ger)

Diabetes Literature—Keyword Index

BLOOD, PORTAL

BILIARY SALT

[INFLUENCE OF THE SUPPLEMENTATION OF RATION WITH CONJUGATED BILIARY SALTS ON THE EQUIPMENT AND BILIARY ACIDS OF THE SMALL INTESTINE IN THE RAT. MODIFICATIONS OF THE APPARENT ABSORPTION OF FATTY ACIDS] Demarne Y, Sacquet E, Van Heijenoort Y, Mathis C *Ann Biol Anim Biochim Biophys* 14: 239-50, 1974 (Fre)

BINARY ENZYME COENZYME

MALATE DEHYDROGENASE, CIRCULAR DICHROISM DIFFERENCE SPECTRA OF PORCINE HEART MITOCHONDRIAL AND SUPERNATANT ENZYMES, BINARY ENZYME-COENZYME, AND TERNARY ENZYME-COENZYME-SUBSTRATE ANALOG COMPLEXES. Eberhardt NL, Wolfe RG *J Biol Chem* 250: 2987-92, 25 Apr 75 (Eng)

BINDING

INSULIN RECEPTORS IN FAT CELLS: RELATIONSHIP BETWEEN BINDING AND ACTIVATION. Gliemann J, Gammeltoft S, Vinten J *Isr J Med Sci* 11: 656-63, Jul 75 (Eng)

CIRCULATING NSILA-S IN MAN: PRELIMINARY STUDIES OF STIMULI IN VIVO AND OF BINDING TO PLASMA COMPONENTS. Megyesi K, Kahn CR, Roth J, Gorden P *J Clin Endocrinol Metab* 41: 475-84, Sep 75 (Eng)

LONG CHAIN FATTY ACID BINDING TO HUMAN PLASMA ALBUMIN. Ashbrook JD, Spector AA, Santos EC, Fletcher JE *J Biol Chem* 250: 2333-8, 25 Mar 75 (Eng)

BINDING OF CYTOCHALASIN B TO A RED CELL MEMBRANE PROTEIN. Lin S, Spudich JA *Biochem Biophys Res Commun* 61: 1471-6, 23 Dec 74 (Eng)

BINDING, 125-I-INSULIN

COMPARISON OF 125-I-INSULIN BINDING AND DEGRADATION TO ISOLATED RAT HEPATOCYTES AND LIVER MEMBRANES. Olefsky J, Johnson J, Liu F, Edwards P, Baur S *Diabetes* 24: 801-10, Sep 75 (Eng)

BINDING PROTEIN

TRANSPORT OF SUGARS AND AMINO ACIDS IN BACTERIA. XII. SUBSTRATE SPECIFICITIES OF THE BRANCHED CHAIN AMINO ACID-BINDING PROTEINS OF *ESCHERICHIA COLI*. Amanuma H, Anraku Y *J Biochem (Tokyo)* 76: 1165-73, Dec 74 (Eng)

BINDING SITE

INSULIN RECEPTORS IN THE HEART MUSCLE. DEMONSTRATION OF SPECIFIC BINDING SITES AND IMPAIRMENT OF INSULIN BINDING IN THE PLASMA MEMBRANE OF THE OBESE HYPERGLYCEMIC MOUSE. Forgue ME, Freychet P *Diabetes* 24: 715-23, Aug 75 (Eng)

BIOLOGICAL ACTIVITY

NONSUPPRESSIBLE INSULIN-LIKE ACTIVITY: BIOLOGICAL ACTIVITY AND RECEPTOR BINDING. Zapf J, Mader M, Waldvogel M, Froesch ER *Isr J Med Sci* 11: 664-78, Jul 75 (Eng)

[ISOLATION OF LIPOPROTEIN LIPASE FROM POSTHEPARIN RAT PLASMA AND DEMONSTRATION OF ITS BIOLOGICAL ACTIVITY] Bazazian GG, Levchuk TP, Malakhova EA, Smirnova VK, Sytina NP, Iakovlev VA *Vopr Med Khim* 20: 14-9, Jan-Feb 74 (Rus)

BIOLOGICAL FLUID

DETERMINATION OF PHENFORMIN IN BIOLOGICAL FLUIDS USING CHEMICAL IONIZATION MASS SPECTROMETRY. Matin SB, Karam JH, Forsham PH, Knight JB *Biomed Mass Spectrom* 1: 320-2, Oct 74 (Eng)

THE USE OF SOLID PROBE CHEMICAL IONIZATION MASS SPECTROMETRY AND GAS CHROMATOGRAPHY-CHEMICAL IONIZATION MASS SPECTROMETRY IN QUANTITATION OF DRUGS IN BIOLOGICAL FLUIDS. DETERMINATION OF TOLBUTAMIDE AND ITS METABOLITES IN HUMAN PLASMA. Matin SB, Knight JB *Biomed Mass Spectrom* 1: 323-8, Oct 74 (Eng)

BIOLOGICAL RHYTHM

BIOLOGICAL RHYTHMS. Halberg F *Adv Exp Med Biol* 54: 1-41, 1975 (Eng)

BIOMEMBRANE

[PERMEABILITY OF THE SODIUM CHANNEL OF BIOMEMBRANES IN THE PRESENCE OF A FIXED ANION CENTER] Aitian SKh, Chizmadzhev IaA *Dokl Akad Nauk SSSR* 220: 1203-6, 1975 (Rus)

BIOPSY FINDING

NEUROPATHY, RETINOPATHY AND BIOPSY FINDINGS IN TRANSPLANTED KIDNEY IN DIABETIC PATIENTS. Barbosa J, Burke B, Buselmeier TJ, Carpenter AM, Goetz FC, Harris J, Kennedy WR, Kjellstrand CM, Michael AF, Najarian JS, Recker L *Kidney Int [Suppl]* 32-6, Oct 74 (Eng)

BIPHASIC EFFECT

BIPHASIC EFFECT OF 5-GUANYLYLMIDODIPHOSPHATE ON FAT CELL ADENYLATE CYCLASE. Ebert R, Schwabe U *Nahrungsmittelforschung Arch Pharmacol* 286: 297-313, 1974 (Eng)

BIRTH

[EVOLUTION OF DIFFERENT TYPES OF ADIPOSE DEPOSITS AFTER BIRTH IN NORMAL OR HYPOPHYSECTOMIZED SHEEP MERINOS DALLIES] Vezinhet A, Prudhon M, Benevent M *Ann Biol Anim Biochim Biophys* 14: 117-29, 1974 (Fre)

BLADDER, ATONIC ENLARGED

[THE DIABETIC ATONIC ENLARGED BLADDER] Genin R *Acta Urol Belg* 43: 101-6, Jan 75 (Fre)

BLOCKADE, ADRENERGIC

EFFECT OF ADRENERGIC BLOCKADE ON FATTY ACID MOBILIZATION. Khosla P, Garg KN *Indian J Med Res* 62: 1486-91, Oct 74 (Eng)

BLOOD

[EFFECT OF INSULIN ON THE NUCLEIC ACID LEVELS IN THE BLOOD OF PATIENTS WITH DIABETES MELLITUS] Franchuk MM *Ter Arkh* 47: 132-4, 1975 (Rus)

ACUTE COLD EXPOSURE AND THE METABOLISM OF BLOOD GLUCOSE, LACTATE AND PYRUVATE, AND PLASMA AMINO ACIDS IN THE HIND LEG OF THE FED AND FASTED YOUNG OX. Bell AW, Gardner JW, Manson W, Thompson GE *Br J Nutr* 33: 207-17, Mar 75 (Eng)

[PROCEEDINGS: FLUCTUATION OF GROWTH HORMONE LEVELS IN THE BLOOD CAUSED BY EXERCISES WITH SPECIAL REFERENCE TO SEX DIFFERENCES] Ino T, Tokoro A, Iki Y, Sugimoto T, Umehara C *Folia Endocrinol Jpn* 50: 281, 20 Feb 74 (Jpn)

THE EFFECT OF MUSCULAR EXERCISE ON FREE FATTY ACIDS, ACETOACETATE AND 3-HYDROXYBUTYRATE BLOOD LEVELS. Boninsegna A, Federspil G, De Palo C *Horm Metab Res* 6: 488-91, Nov 74 (Eng)

[FACTORS REGULATING FREE FATTY ACID BLOOD LEVELS DURING POSTPRANDIAL LIPEMIA] Paluszak J *Pol Tyg Lek* 30: 531-2, 24 Mar 75 (Pol)

INCREASED RATE OF ALCOHOL REMOVAL FROM BLOOD WITH ORAL FRUCTOSE AND SUCROSE. Soterakis J, Iber FL *Am J Clin Nutr* 28: 254-7, Mar 75 (Eng)

BLOOD CIRCULATION

[THE PHYSIOLOGY OF THE ISOLATED DOG PANCREAS—THE INFLUENCE OF THE ACUTAL BLOOD GLUCOSE LEVEL ON THE D CIRCULATION IN THE PANCREAS] Hempling H, Husemann B *Arzneim Forsch* 25: 916-8, Jun 75 (Ger)

BLOOD COAGULATION SYSTEM

[EVALUATION OF THE BLOOD COAGULATION SYSTEM IN PATIENTS WITH DIABETES MELLITUS] Fradkina IaN *Vrach Delo* 38-41, Jun 74 (Rus)

BLOOD FLOW

ACTION OF GLUCAGON AND ATROPINE ON MUCOSAL BLOOD FLOW OF RESITING FUNDIC POUCHES OF DOGS. Warrick M, Lin TM *Life Sci* 17: 333-8, 1 Aug 75 (Eng)

PROCEEDINGS: BLOOD FLOW AND FREE AMINO NITROGEN (FAN) CONCENTRATION IN THE PORTAL VEIN OF THE PIG. Farrell DJ, Jones AS, Webster AJ, White F *Proc Nutr Soc* 33: 32a-33a, Sep 74 (Eng)

BLOOD FLOW, PANCREATIC

DYNAMICS OF CANINE PANCREATIC BLOOD FLOW AND OF INSULIN SECRETION DURING AN INTRAVENOUS GLUCOSE LOAD. Fischer U, Hommel H, Schmid E *Pfluegers Arch* 358: 89-100, 9 Jul 75 (Eng)

BLOOD FLOW, PULMONARY

THE EFFECT OF INCREASED PULMONARY BLOOD FLOW ON THE PULMONARY VASCULAR BED IN PIGS. Friedli B, Kent G, Kidd BS *Pediatr Res* 9: 547-53, Jun 75 (Eng)

BLOOD METABOLITE

THE EFFECT OF EXERCISE ON BLOOD METABOLITE LEVELS IN THE HORSE. Anderson MG *Equine Vet J* 7: 27-33, Jan 75 (Eng)

[RESPONSES TO EXOGENOUS NOREPINEPHRINE IN RATS REARED IN COLD FOR SUCCESSIVE GENERATIONS, WITH SPECIAL REFERENCE TO CHANGES IN METABOLITES IN THE BLOOD (AUTHORS TRANSL)] Moriya K, Maekubo H, Ito S *Hokkaido J Med Sci* 49: 98-102, Mar 74 (Jpn)

BLOOD, PORTAL

APPETITE AND INSULIN-METABOLITE HARMONY IN PORTAL BLOOD OR SHEEP FED HIGH OR LOW ROUGHAGE DIET WITH OR WITHOUT INTRARUMINAL INFUSION OF

Diabetes Literature—Keyword Index

BLOOD SAMPLING

VFA. Bhattacharya AN, Alulu M *J Anim Sci* 41: 225-33, Jul 75 (Eng)

BLOOD SAMPLING

BLOOD SAMPLING THROUGH UMBILICAL CATHETERS. Brown DR, Fenton LJ, Tsang RC *Pediatrics* 55: 257-60, Feb 75 (Eng)

BLOOD SUGAR

BLOOD SUGAR IN INFANTILE GASTRO-ENTERITIS. Glyn-Jones R *S Afr Med J* 49: 1474-6, 23 Aug 75 (Eng)

BLOOD SUGAR RATIO

CEREBROSPINAL FLUID AND BLOOD SUGAR RATIO IN HEALTH AND DISEASE: DIAGNOSTIC AND PROGNOSTIC SIGNIFICANCE IN INTRACRANIAL INJECTIONS. Reddi YR, Rao VS, Parthasaradhi U, Laxman S *Indian Pediatr* 12: 401-5, May 75 (Eng)

BLOOD, WHOLE

THE EFFECTS OF CAPTURE, STRESS, AND STORAGE OF WHOLE BLOOD ON THE RED BLOOD CELLS, PLASMA PROTEINS, GLUCOSE, AND ELECTROLYTES OF THE WINTER FLOUNDER (PSEUDOPLEURONECTES AMERICANUS). Fletcher GL *Can J Zool* 53: 197-206, Feb 75 (Eng)

BODY IMAGE

INFLUENCE OF A SPECIAL CAMP PROGRAM FOR OBESE BOYS ON WEIGHT LOSS, SELF-CONCEPT, AND BODY IMAGE. Rohrbacher R *Res Q Am Assoc Health Phys Educ* 44: 150-7, May 73 (Eng)

BODY WEIGHT

EFFECT OF (-)-HYDROXYCITRATE ON LIPOGENESIS, APPETITE AND BODY WEIGHT IN RATS. Anonymous *Nutr Rev* 33: 53-5, Feb 75 (Eng)

BODY WEIGHT, RAT

[PROCEEDINGS: EFFECT OF 2-DEOXY-D-GLUCOSE ON FOOD UPTAKE AND BODY WEIGHT INCREASE IN RATS] Naito C, Okada T *Folia Endocrinol Jpn* 50: 646, 20 Feb 74 (Jpn)

BOLUS

LETTER: SMALL INTRAVENOUS INSULIN BOLUSES IN THE TREATMENT OF DIABETIC COMA. Clumeck N, Detroyer A, Naeije R, Ectors M, Balasse EO *Lancet* 2: 416, 30 Aug 75 (Eng)

LETTER: INTRAVENOUS INSULIN BOLUSES IN TREATMENT OF DIABETIC COMA. Alberti KG *Lancet* 2: 547-8, 20 Sep 75 (Eng)

BONE METABOLISM

THE EFFECT OF THYROCALCITONIN AND GROWTH HORMONES ON BONE METABOLISM. Klein IE *J Prosthet Dent* 33: 365-79, Apr 75 (Eng)

BOY

INFLUENCE OF A SPECIAL CAMP PROGRAM FOR OBESE BOYS ON WEIGHT LOSS, SELF-CONCEPT, AND BODY IMAGE. Rohrbacher R *Res Q Am Assoc Health Phys Educ* 44: 150-7, May 73 (Eng)

BRAIN

NEUROCHEMICAL CORRELATES OF ALLOXAN DIABETES: I. RIBONUCLEIC ACID AND PROTEIN LEVELS OF AMPHIBIAN BRAIN. Nayeemunnisa *Experientia* 31: 942-3, 15 Aug 75 (Eng)

EXTRACTION OF D-BETA-HYDROXYBUTYRATE BY BRAIN IN DIABETIC RATS. Openshaw H, Diamond I *Arch Neurol* 32: 640-1, Sep 75 (Eng)

REGIONAL DISTRIBUTION OF ADENINE NUCLEOTIDES, GLYCOGEN, GLUCOSE AND LACTATE IN THE ADULT RAT BRAIN. Zivkoic RV, Murslija BB, Djuricic BM *Experientia* 31: 404-6, 15 Apr 75 (Eng)

[ROLE OF SPECIFIC IMPULSES IN THE POSTNATAL FORMATION OF CHEMICAL ACTIVITY IN MICROSTRUCTURES OF THE ANIMAL BRAIN VISUAL ANALYZER] Pigareva ZD *Usp Sovrem Biol* 79: 48-63, Jan-Feb 75 (Rus) [97]

FREE FATTY ACIDS, DIACYL- AND TRIACYLGLYCEROLS AND TOTAL PHOSPHOLIPIDS IN VERTEBRATE RETINA: COMPARISON WITH BRAIN, CHOROID AND PLASMA. Avelardo MI, Bazan NG *J Neurochem* 23: 1127-35, Dec 74 (Eng)

BRAIN, AMPHIBIAN

NEUROCHEMICAL CORRELATES OF ALLOXAN DIABETES: I. RIBONUCLEIC ACID AND PROTEIN LEVELS OF AMPHIBIAN BRAIN. Nayeemunnisa *Experientia* 31: 942-3, 15 Aug 75 (Eng)

BRAIN, RAT

EFFECT OF GONADAL HORMONES ON ENZYME ACTIVITIES IN BRAIN AND PITUITARY OF MALE AND FEMALE RATS. Luine VN, Khylchevskaya RI, McEwen BS *Brain Res* 86: 283-92, 21 Mar 75 (Eng)

BRAINSTEM

GLUCOSE UPTAKE IN THE BRAINSTEM OF THIAMINE-DEFICIENT RATS. Robertson DM, Manz HJ, Haas RA, Meyers N *Am J Pathol* 79: 107-18, Apr 75 (Eng)

BRANCHED CHAIN

TRANSPORT OF SUGARS AND AMINO ACIDS IN BACTERIA. XII. SUBSTRATE SPECIFICITIES OF THE BRANCHED CHAIN AMINO ACID-BINDING PROTEINS OF ESCHERICHIA COLI. Amanuma H, Anraku Y *J Biochem (Tokyo)* 76: 1165-73, Dec 74 (Eng)

BREAKFAST CEREAL

LETTER: SUCROSE AND GLUCOSE IN DRY BREAKFAST CEREALS. Hayden EB *J Dent Child* 42: 88-90, Mar-Apr 75 (Eng)

BREAST TISSUE, HUMAN

IN VITRO STIMULATION OF HUMAN BREAST TISSUE BY HUMAN PROLACTIN. Dilley WG, Kister SJ *J Natl Cancer Inst* 55: 35-6, Jul 75 (Eng)

BRONCHIAL ASTHMA

[CLINICAL STUDY OF A NEW SYNTHETIC STEROID IN THE TREATMENT OF BRONCHIAL ASTHMA] Pacheco CR, Valdez-Ochoa S, Naranjo F, Alvarez H, Aguilar M, Saavedra M *Gac Med Mex* 104: 313-9, Oct 72 (Spa)

BRUCELLOSIS, CHRONIC

[CASE OF CHRONIC BRUCELLOSIS ASSOCIATED WITH DIABETES AND ARTERIAL HYPERTENSION] Wojtowicz H *Wiad Lek* 28: 15 Aug 75 (Pol)

CAFFEINE EFFECT

PROCEEDINGS: THE EFFECTS OF CAFFEINE AND CARNITINE ON THE OXYGEN CONSUMPTION OF FED AND FASTED SUBJECTS. Miller DS, Stock MJ, Stuart JA *Proc Nutr Soc* 33: 28a-29a, Sep 74 (Eng)

CAFFEINE INGESTION

CHANGES IN PLASMA CORTISOL, GLUCOSE AND FREE FATTY ACIDS AFTER CAFFEINE INGESTION IN OBESE WOMEN. Oberman Z, Herzberg M, Jaskolka H, Harell A, Hoerger E, Laurian L *Isr J Med Sci* 11: 33-6, Jan 75 (Eng)

CALCIUM

THE SIGNIFICANCE OF CALCIUM FOR GLUCOSE STIMULATION OF INSULIN RELEASE. Hellman B *Endocrinology* 97: 392-8, Aug 75 (Eng)

THE CONTROL OF ADENYLATE CYCLASE BY CALCIUM IN TURKEY ERYTHROCYTE GHOSTS. Steer ML, Levitzki A *J Biol Chem* 250: 2080-4, 25 Mar 75 (Eng)

CALCIUM, INTRACELLULAR

[SIGNIFICANCE OF INTRACELLULAR CALCIUM TRANSPORT FOR CELL FUNCTION] Seifert G, Schafer HJ, Schulz A *Dtsch Med Wochenschr* 100: 1854-62, 12 Sep 75 (Ger) [68]

CALCIUM TRANSPORT

THE EFFECTS OF UNDERNUTRITION AND ITS RELIEF ON INTESTINAL CALCIUM TRANSPORT IN THE RAT. Adams PH, Hill LF, Wain D, Taylor C *Calcif Tissue Res* 16: 293-303, 1974 (Eng)

CALF

INHIBITOR OF CATECHOLAMINE-INDUCED FREE FATTY ACID MOBILIZATION FROM THE CALF MIDBRAIN. Hollett CR *Biochem Pharmacol* 23: 989-98, 1 Mar 74 (Eng)

CALIBRATION CURVE

[EFFECT OF PLOTTING BY EYE OF THE CALIBRATION CURVE IN RADIOIMMUNOLOGIC ASSAYS] Taggi F, Lostia O *Ann Ist Super Sanita* 10: 47-62, 1974 (Ita)

CALORIE

COMPOSITION OF DIETS CONTAINING 25 AND 35 PER CENT CALORIES FROM FAT. ANALYZED VS. CALCULATED VALUES. Marshall MW, Iacono JM, Young CW Jr, Washington VA, Slover HT, Leapley PM *J Am Diet Assoc* 66: 470-81, May 75 (Eng)

CALORIGENIC ACTION

THE CALORIGENIC ACTION OF NOREPINEPHRINE IN RATS AFTER HYPOPHYSECTOMY. Muller D, Kersten L, Ankermann H *Experientia* 31: 343-4, 15 Mar 75 (Eng)

CALORIGENIC RESPONSE

EVIDENCE AGAINST A MEDIATORY ROLE OF BROWN ADIPOSE TISSUE IN THE

Diabetes Literature—Keyword Index

CARDIAC ARREST

DECREASED CARBOHYDRATE TOLERANCE IN PREGNANT PATIENTS WITH AN EARLY MENARCHE. Loffer FD *Am J Obstet Gynecol* 123: 180-4, 15 Sep 75 (Eng)

CARDIAC ACTION POTENTIAL

LETTERS TO THE EDITOR: ARE FREE FATTY ACIDS ARRHYTHMOGENIC EFFECTS ON CELLULAR CARDIAC ACTION POTENTIALS. Wasilewska-Dziubinska E *J Mol Cell Cardiol* 7: 153-4, Feb 75 (Eng)

CARDIAC ARREST

[THYMO-LYMPHATIC STATUS AS A CAUSE OF CARDIAC ARREST] Kubicz Z, Frieden-

CARDIAC ACTION POTENTIAL

LETTERS TO THE EDITOR: ARE FREE FATTY ACIDS ARRHYTHMOGENIC EFFECTS ON CELLULAR CARDIAC ACTION POTENTIALS. Wasilewska-Dziubinska E *J Mol Cell Cardiol* 7: 153-4, Feb 75 (Eng)

CARDIAC ACTION POTENTIAL

LETTERS TO THE EDITOR: ARE FREE FATTY ACIDS ARRHYTHMOGENIC EFFECTS ON CELLULAR CARDIAC ACTION POTENTIALS. Wasilewska-Dziubinska E *J Mol Cell Cardiol* 7: 153-4, Feb 75 (Eng)

CARDIAC ACTION POTENTIAL

LETTERS TO THE EDITOR: ARE FREE FATTY ACIDS ARRHYTHMOGENIC EFFECTS ON CELLULAR CARDIAC ACTION POTENTIALS. Wasilewska-Dziubinska E *J Mol Cell Cardiol* 7: 153-4, Feb 75 (Eng)

CARDIAC ACTION POTENTIAL

LETTERS TO THE EDITOR: ARE FREE FATTY ACIDS ARRHYTHMOGENIC EFFECTS ON CELLULAR CARDIAC ACTION POTENTIALS. Wasilewska-Dziubinska E *J Mol Cell Cardiol* 7: 153-4, Feb 75 (Eng)

CARDIAC ACTION POTENTIAL

LETTERS TO THE EDITOR: ARE FREE FATTY ACIDS ARRHYTHMOGENIC EFFECTS ON CELLULAR CARDIAC ACTION POTENTIALS. Wasilewska-Dziubinska E *J Mol Cell Cardiol* 7: 153-4, Feb 75 (Eng)

CARDIAC ACTION POTENTIAL

LETTERS TO THE EDITOR: ARE FREE FATTY ACIDS ARRHYTHMOGENIC EFFECTS ON CELLULAR CARDIAC ACTION POTENTIALS. Wasilewska-Dziubinska E *J Mol Cell Cardiol* 7: 153-4, Feb 75 (Eng)

CARDIAC ACTION POTENTIAL

LETTERS TO THE EDITOR: ARE FREE FATTY ACIDS ARRHYTHMOGENIC EFFECTS ON CELLULAR CARDIAC ACTION POTENTIALS. Wasilewska-Dziubinska E *J Mol Cell Cardiol* 7: 153-4, Feb 75 (Eng)

CARDIAC ACTION POTENTIAL

LETTERS TO THE EDITOR: ARE FREE FATTY ACIDS ARRHYTHMOGENIC EFFECTS ON CELLULAR CARDIAC ACTION POTENTIALS. Wasilewska-Dziubinska E *J Mol Cell Cardiol* 7: 153-4, Feb 75 (Eng)

CARDIAC ACTION POTENTIAL

LETTERS TO THE EDITOR: ARE FREE FATTY ACIDS ARRHYTHMOGENIC EFFECTS ON CELLULAR CARDIAC ACTION POTENTIALS. Wasilewska-Dziubinska E *J Mol Cell Cardiol* 7: 153-4, Feb 75 (Eng)

CARDIAC ACTION POTENTIAL

LETTERS TO THE EDITOR: ARE FREE FATTY ACIDS ARRHYTHMOGENIC EFFECTS ON CELLULAR CARDIAC ACTION POTENTIALS. Wasilewska-Dziubinska E *J Mol Cell Cardiol* 7: 153-4, Feb 75 (Eng)

CARDIAC ACTION POTENTIAL

LETTERS TO THE EDITOR: ARE FREE FATTY ACIDS ARRHYTHMOGENIC EFFECTS ON CELLULAR CARDIAC ACTION POTENTIALS. Wasilewska-Dziubinska E *J Mol Cell Cardiol* 7: 153-4, Feb 75 (Eng)

LETTERS TO THE EDITOR: ARE FREE FATTY ACIDS ARRHYTHMOGENIC EFFECTS ON CELLULAR CARDIAC ACTION POTENTIALS. Wasilewska-Dziubinska E *J Mol Cell Cardiol* 7: 153-4, Feb 75 (Eng)

LETTERS TO THE EDITOR: ARE FREE FATTY ACIDS ARRHYTHMOGENIC EFFECTS ON CELLULAR CARDIAC ACTION POTENTIALS. Wasilewska-Dziubinska E *J Mol Cell Cardiol* 7: 153-4, Feb 75 (Eng)

LETTERS TO THE EDITOR: ARE FREE FATTY ACIDS ARRHYTHMOGENIC EFFECTS ON CELLULAR CARDIAC ACTION POTENTIALS. Wasilewska-Dziubinska E *J Mol Cell Cardiol* 7: 153-4, Feb 75 (Eng)

LETTERS TO THE EDITOR: ARE FREE FATTY ACIDS ARRHYTHMOGENIC EFFECTS ON CELLULAR CARDIAC ACTION POTENTIALS. Wasilewska-Dziubinska E *J Mol Cell Cardiol* 7: 153-4, Feb 75 (Eng)

LETTERS TO THE EDITOR: ARE FREE FATTY ACIDS ARRHYTHMOGENIC EFFECTS ON CELLULAR CARDIAC ACTION POTENTIALS. Wasilewska-Dziubinska E *J Mol Cell Cardiol* 7: 153-4, Feb 75 (Eng)

LETTERS TO THE EDITOR: ARE FREE FATTY ACIDS ARRHYTHMOGENIC EFFECTS ON CELLULAR CARDIAC ACTION POTENTIALS. Wasilewska-Dziubinska E *J Mol Cell Cardiol* 7: 153-4, Feb 75 (Eng)

LETTERS TO THE EDITOR: ARE FREE FATTY ACIDS ARRHYTHMOGENIC EFFECTS ON CELLULAR CARDIAC ACTION POTENTIALS. Wasilewska-Dziubinska E *J Mol Cell Cardiol* 7: 153-4, Feb 75 (Eng)

LETTERS TO THE EDITOR: ARE FREE FATTY ACIDS ARRHYTHMOGENIC EFFECTS ON CELLULAR CARDIAC ACTION POTENTIALS. Wasilewska-Dziubinska E *J Mol Cell Cardiol* 7: 153-4, Feb 75 (Eng)

LETTERS TO THE EDITOR: ARE FREE FATTY ACIDS ARRHYTHMOGENIC EFFECTS ON CELLULAR CARDIAC ACTION POTENTIALS. Wasilewska-Dziubinska E *J Mol Cell Cardiol* 7: 153-4, Feb 75 (Eng)

CARDIAC ACTION POTENTIAL

LETTERS TO THE EDITOR: ARE FREE FATTY ACIDS ARRHYTHMOGENIC EFFECTS ON CELLULAR CARDIAC ACTION POTENTIALS. Wasilewska-Dziubinska E *J Mol Cell Cardiol* 7: 153-4, Feb 75 (Eng)

LETTERS TO THE EDITOR: ARE FREE FATTY ACIDS ARRHYTHMOGENIC EFFECTS ON CELLULAR CARDIAC ACTION POTENTIALS. Wasilewska-Dziubinska E *J Mol Cell Cardiol* 7: 153-4, Feb 75 (Eng)

CALORIGENIC RESPONSE OF COLD-ACCLIMATED RATS TO NORADRENALINE. Foster DO *Can J Physiol Pharmacol* 52: 1051-62, Dec 74 (Eng)

CAMP

SEE ADENOSINE-3,5-CYCLIC-MONOPHOSPHATE

CANDIDA TROPICALIS

[REGULATION OF LIPID SYNTHESIS UNDER CONDITIONS OF A VARYING GROWTH RATE IN CANDIDA TROPICALIS AND IN MICROCOCCUS FREUDENREICHII. Isakova DM, Kvasnikov EI, Loiko ZI *Prikl Biokhim Mikrobiol* 10: 831-6, Nov-Dec 74 (Rus)

CAPILLARY BASEMENT MEMBRANE

MUSCULAR CAPILLARY BASEMENT MEMBRANE HYPERTROPHY IN HYPERLIPIDEMIA TYPE IV: A REVERSIBLE CONSEQUENCE OF A METABOLIC DISORDER. De Vries O, Vos J, Reitsma WD, Doorenbos H, Molenaar I *Neth J Med* 17: 220-6, 1974 (Eng)

CAPILLARY PERMEABILITY

[SOME CHARACTERISTICS OF THE PERIPHERAL MICROCIRCULATION AND CAPILLARY PERMEABILITY IN SCHIZOPHRENIA] Smirnov VK *Zh Nevropatol Psikhiatr* 74: 406-12, 1974 (Rus)

CARBENOXOLONE SODIUM EFFECT

THE EFFECT OF CARBENOXOLONE SODIUM ON THE PLASMA 11 HYDROXYCORTICOID LEVELS IN CHRONIC GASTRIC ULCERATION. Gollan JL, Hecker R, Mackinnon AM *Aust NZ J Med* 5: 231-4, Jun 75 (Eng)

CARBOHYDRATE

[THE SIGNIFICANCE OF CARBOHYDRATES IN PARENTERAL FEEDING] Forster H, Haslbeck M, Mehnert H *Infusionstherapie* 1: 199-213, Feb 74 (Ger)

[THE UTILIZATION OF CARBOHYDRATES IN STRESS SITUATIONS] Geser CA *Infusionstherapie* 1: 215-9, Feb 74 (Ger)

[UTILIZATION OF CARBOHYDRATES IN STRESS SITUATIONS] Geser CA *Infusionstherapie* 1: 215-9, Feb 74 (Ger)

[LETTER: RESTRICTION OF FAT OR CARBOHYDRATES IN REDUCING DIET] Mehnert H *Med Klin* 70: 488, 14 Mar 75 (Ger)

PROCEEDINGS: EFFECT OF FEEDING WITH SUCROSE AND OTHER CARBOHYDRATES ON PLATELET FUNCTION IN RATS. McGregor I. *Proc Nutr Soc* 33: 23a-24a, Sep 74 (Eng)

UPTAKE PATTERNS AND TRANSPORT ENHANCEMENTS IN CULTURES OF HAMSTER CELLS DEPRIVED OF CARBOHYDRATES. Ulfrey D, Gammon MT, Kalckar HM *Arch Biochem Biophys* 167: 410-6, Apr 75 (Eng)

CARBOHYDRATE DIET

HYPERLIPIDEMIA AND HEPATIC HYPERLIPOGENESIS IN SPINY MICE (ACOMYS CAHIRINUS) ON CARBOHYDRATE DIETS: RELATIONSHIP TO PERIPHERAL UNDERRESPONSIVENESS AND LOW INSULIN RELEASE. Shafir E, Benichmol A, Orevi M *Isr J Med Sci* 11: 738-52, Jul 75 (Eng)

LETTERS TO THE EDITOR: ARE FREE FATTY ACIDS ARRHYTHMOGENIC EFFECTS ON CELLULAR CARDIAC ACTION POTENTIALS. Wasilewska-Dziubinska E *J Mol Cell Cardiol* 7: 153-4, Feb 75 (Eng)

Diabetes Literature—Keyword Index

CARDIAC DECOMPENSATION

berg W, Halter J *Wiad Lek* 28: 491-3, 15 Mar 75 (Pol)

CARDIAC DECOMPENSATION

[USE OF GLUCAGON IN SMALL DOSES AND REINFUSION OF DESALTED AND CONCENTRATED ASCITIC FLUID IN THE THERAPY OF REFRACTORY CARDIAC DECOMPENSATION] Vancini B, Govoni P, Caio M *Boll Soc Ital Cardiol* 19: 401-7, 1974 (Ita)

CARDIAC INSUFFICIENCY

[CHANGES IN ANTICOAGULANT TOLERANCE. II. EFFECTS OF CARDIAC INSUFFICIENCY AND DRUGS ADMINISTERED FOR ITS THERAPY] Nelius D *Z Alternsforsch* 28: 263-7, 1974 (Ger)

CARDIAC OUTPUT SYNDROME

[2 CASES OF LOW CARDIAC OUTPUT SYNDROME EFFECTIVELY TREATED WITH INSULIN] Okada K, Ko H, Tochiuchi H, Iwabuchi T, Kaneda M *Jpn J Anesthesiol* 24: 621-4, Jun 75 (Jpn)

CARDIAC SARCOLEMMA CONTROL

CONTROL OF CARDIAC SARCOLEMMA ADENYLATE CYCLASE AND SODIUM, POTASSIUM-ACTIVATED ADENOSINETRIPHOSPHATASE ACTIVITIES. Tada M, Kirchberger MA, Iorio JM, Katz AM *Circ Res* 36: 8-17, Jan 75 (Eng)

CARDIOVASCULAR COMPLICATION

[CARDIOVASCULAR COMPLICATIONS OF HYPEROSMOLAR DIABETIC COMA. STUDY OF 4 CASES] Ramon JS, Daroca JC, Perez JF, Frances JM, Gorina AB *Rev Clin Esp* 137: 521-6, 30 Jun 75 (Spa)

CARDIOVASCULAR DISEASE

CARDIOVASCULAR DISEASE IN UREMIC PATIENTS ON HEMODIALYSIS. Lazarus JM, Lowrie EG, Hampers CL, Merrill JP *Kidney Int [Suppl]* 167-75, Jan 75 (Eng) [56]

CARNITINE EFFECT

[EFFECT OF CARNITINE ON LIPID METABOLISM IN NORMAL CHILDREN] Gemelli M, Cordaro V *Boll Soc Ital Biol Sper* 50: 667-72, 30 May 74 (Ita)

PROCEEDINGS: THE EFFECTS OF CAFFEINE AND CARNITINE ON THE OXYGEN CONSUMPTION OF FED AND FASTED SUBJECTS. Miller DS, Stock MJ, Stuart JA *Proc Nutr Soc* 33: 28a-29a, Sep 74 (Eng)

CARRIER SOLUTION

CARRIER SOLUTIONS FOR LOW-LEVEL INTRAVENOUS INSULIN INFUSION. Kraegen EW, Lazarus L, Meler H, Campbell L, Chia YO *Br Med J* 3: 464-6, 23 Aug 75 (Eng)

CARTILAGE

THE EFFECTS OF HIGH TREATMENT ON SOMATOMEDIN LEVELS IN THE SERUM (AS DETERMINED BY 35-S UPTAKE INTO CARTILAGE). Schimpff RM, Donnadiu M, Gourmelen M, Girard F *Horm Metab Res* 6: 494-8, Nov 74 (Eng)

CASEIN EFFECT

PROCEEDINGS: THE EFFECT OF CASEIN AND AMINO ACIDS ON GLUCOSE SYNTHESIS IN

SHEEP. Lindsay DB, Dyke C *Proc Nutr Soc* 33: 39a-40a, Sep 74 (Eng)

CATABOLIC TRAUMATIC TRIAD SYNDROME

LETTER: THE ENDOGENOUS CATABOLIC TRAUMATIC TRIAD SYNDROME. DiNicola AF *NZ Med J* 82: 27-8, 9 Jul 75 (Eng)

CATABOLISM

RAPID ASSAYS FOR ADENYLATE CYCLASE AND 3,5 CYCLIC AMP PHOSPHODIESTERASE ACTIVITIES. SIMULTANEOUS MEASUREMENTS OF OTHER PATHWAYS OF ATP CATABOLISM. Delage MA, Bellon BN, Cailla HL *Anal Biochem* 62: 417-25, Dec 74 (Eng)

CATARACT FORMATION

HYPERINSULINEMIA, INSULIN RESISTANCE AND CATARACT FORMATION IN SAND RATS. Gutman A, Andreus A, Adler JH *J Med Sci* 11: 714-22, Jul 75 (Eng)

CATECHOLAMINE

INTERACTION OF ENDOGENOUS GROWTH HORMONE, CORTISOL, AND CATECHOLAMINES WITH BLOOD GLUCOSE IN CHILDREN WITH BRITTLE DIABETES MELLITUS. Bruck E, MacGillivray MH *Pediatr Res* 9: 535-41, Jun 75 (Eng)

CATECHOLAMINES AND EXERCISE-INDUCED GLUCAGON AND FATTY ACID MOBILIZATION IN THE RAT. Luyckx AS, Dresse A, Cession-Fossion A, Lefebvre PJ *Am J Physiol* 229: 376-83, Aug 75 (Eng)

EFFECTS OF CYCLIC ADENOSINE 3,5-MONOPHOSPHATE AND ITS DIBUTYRYL DERIVATIVES ON CATECHOLAMINE SYNTHESIS IN BOVINE ADRENAL MEDULLARY SLICES. Oka M, Izumi F *FEBS Lett* 51: 253-6, 1 Mar 75 (Eng)

SUBCELLULAR DISTRIBUTION AND INCORPORATION OF PALMITATE-U-14C INTO MYOCARDIAL LIPIDS: ROLE OF ENDOGENOUS AND EXOGENOUS CATECHOLAMINES. Mathur PP, Mokler CM *J Mol Cell Cardiol* 7: 17-26, Jan 75 (Eng)

CATECHOLAMINE STIMULATED MYOCARDIAL ADENYLATE CYCLASE: EFFECTS OF PHOSPHOLIPASE DIGESTION AND THE ROLE OF MEMBRANE LIPIDS. Lefkowitz RJ *J Mol Cell Cardiol* 7: 27-37, Jan 75 (Eng)

INHIBITOR OF CATECHOLAMINE-INDUCED FREE FATTY ACID MOBILIZATION FROM THE CALF MIDBRAIN. Hollett CR *Biochem Pharmacol* 23: 989-98, 1 Mar 74 (Eng)

[PROCEEDINGS: CATECHOLAMINE POOL AND METABOLISM IN MICROsome FRACTIONS] Yamada R, Yoshitoshi K *Folia Endocrinol Jpn* 50: 634, 20 Feb 74 (Jpn)

CATECHOLAMINE EFFECT

[THE EFFECT OF CATECHOLAMINES ON SODIUM TRANSPORT IN THE SKIN OF FROGS] Kuzmin OB *Farmakol Toksikol* 38: 64-6, Jan-Feb 75 (Rus)

[ACTIVITY OF THE KALLIKREIN-KININ SYSTEM IN EXPERIMENTAL MYOCARDIAL INFARCT IN DOGS AND THE EFFECT OF CATECHOLAMINES] Stukalova TI, Lazareva SA, Ternovaia LA *Vopr Med Khim* 21: 88-91, Jan-Feb 75 (Rus)

CATECHOLAMINE EXCRETION

[RESULTS OF A STUDY ON THE CIRCADIAN RHYTHM OF CATECHOLAMINE EXCRETION ON NORMAL SUBJECTS AND THOSE WITH HIGH EXCRETION LEVELS (AUTHORS TRANSL)] Wisser H, Knoll E *Clin Chim Acta* 59: 1-7, 22 Feb 75 (Ger)

EFFECTS OF DIET AND EXERCISE ON CATECHOLAMINE EXCRETION. Sonka J, Kopecka J, Pavlova A, Zbirkova A, Stas J *Horm Metab Res* 6: 532, Nov 74 (Eng)

CATION TRANSPORT

[EFFECT OF PROSCILLARIDIN ON ACTIVE CATION TRANSPORT ACROSS HUMAN RED CELL MEMBRANE (AUTHORS TRANSL)] Nishida H, Saito H, Kawaguchi M *Hokkaido J Med Sci* 49: 235-9, May 74 (Jpn)

CELL

[THE FUNCTIONAL CYTOCHEMISTRY OF AMINE PRECURSOR UPTAKE AND DECARBOXYLATION (APUD) CELLS AND ITS USES IN PATHOLOGY] Berger G, Barthelemy C, Tabib A *Ann Anat Pathol (Paris)* 19: 371-98, Oct-Dec 74 (Fre)

AN IMPROVED METHOD FOR THE ISOLATION OF SURFACE MEMBRANES FROM CELLS IN MONOLAYER CULTURE. Carlsen SA, Till JE *Can J Biochem* 53: 106-8, Jan 75 (Eng)

KINETICS OF NAPLUS-DEPENDENT AMINO ACID TRANSPORT USING CELLS AND MEMBRANE VESICLES OF A MARINE PSEUDOMONAD. Sprott GD, Drozdowski JP, Martin EL, MacLeod RA *Can J Microbiol* 21: 43-50, Jan 75 (Eng)

CELL BODY

SLOW AXONAL TRANSPORT OR PROTEINS; BLOCKADE BY INTERRUPTION OF CONTACT BETWEEN CELL BODY AND AXON. Frizell M, McLean WG, Sjostrand J *Brain Res* 86: 67-73, 14 Mar 75 (Eng)

CELL DIVISION

CYCLIC AMP, MEMBRANE TRANSPORT AND CELL DIVISION. I. EFFECTS OF VARIOUS CHEMICALS ON CYCLIC AMP LEVELS AND RATE OF TRANSPORT OF NUCLEOSIDES, HYPOXANTHINE AND DEOXYGLUCOSE IN SEVERAL LINES OF CULTURED CELLS. Sheppard JR, Plagemann PG *J Cell Physiol* 85: 163-72, Apr 75 (Eng)

CELL, EXOCRINE PANCREAS

FUNCTION OF COATED MEMBRANES AND MULTIVESICULAR BODIES DURING MEMBRANE REGULATION IN STIMULATED EXOCRINE PANCREAS CELLS. Geuze JJ, Kramer MF *Cell Tissue Res* 156: 1-20, 1974 (Eng)

CELL FUNCTION

[SIGNIFICANCE OF INTRACELLULAR CALCIUM TRANSPORT FOR CELL FUNCTION] Seifert G, Schafer HJ, Schulz A *Dtsch Med Wochenschr* 100: 1854-62, 12 Sep 75 (Ger) [68]

CELL, HAMSTER

CONDITIONALLY LETHAL MUTATIONS IN CHINESE HAMSTER CELLS. CHARACTERIZATION OF A CELL LINE WITH A POSSIBLE DEFECT IN THE KREBS CYCLE. DeFrancesco L, Wernitz D, Scheffler IE *J Cell Physiol* 85: 293-305, Apr 75 (Eng)

UPTAKE PATTERNS AND TRANSPORT ENHANCEMENTS IN CULTURES OF HAMSTER CELLS DEPRIVED OF CARBOHYDRATES. Ullrey D, Gammon MT, Kalckar HM *Arch Biochem Biophys* 167: 410-6, Apr 75 (Eng)

CELL, HUMAN

USE OF MUTANT FIBROBLASTS IN THE ANALYSIS OF THE REGULATION OF CHOLESTEROL METABOLISM IN HUMAN CELLS. Brown MS, Brannan PG, Bohmfalk HA, Brunschede GY, Dana SE, Helgeson J, Goldstein JL *J Cell Physiol* 85: 425-36, Apr 75 (Eng)

CELL, MARINE

POTASSIUM TRANSPORT AND THE RELATIONSHIP BETWEEN INTRACELLULAR POTASSIUM CONCENTRATION AND AMINO ACID UPTAKE BY CELLS OF A MARINE PSEUDOMONAD. Thompson J, MacLeod RA *J Bacteriol* 120: 598-603, Nov 74 (Eng)

CELL NUCLEUS

[PROCEEDINGS: CELL NUCLEUS PICTURE OF FAT CELLS UNDER VARIOUS FUNCTIONAL CONDITION] Rakow L *Verh Dtsch Ges Pathol* 57: 401, 1973 (Ger)

CELL SURFACE

MODULATION OF CELL SURFACE STRUCTURE AND FUNCTION. Anonymous *Adv Exp Med Biol* 51: 101-61, 1974 (Eng)

BIOLOGICAL ACTIVITIES SOLUBILIZED CELL SURFACE COMPONENTS. Anonymous *Adv Exp Med Biol* 51: 163-241, 1974 (Eng)

PERSPECTIVE OF CELL SURFACE STRUCTURE AND FUNCTION. Edelman GM *Adv Exp Med Biol* 51: 243-70, 1974 (Eng)

CELLULAR IMMUNE RESPONSE

CELLULAR IMMUNE RESPONSE TO PERIPHERAL NERVE BASIC PROTEIN IN IDIOPATHIC FACIAL PARALYSIS (BELLS Palsy). Abramsky O, Webb C, Teitelbaum D, Arnon R *J Neurol Sci* 26: 13-20, Sep 75 (Eng)

CEREBRAL CORTEX

[PROCEEDINGS: EFFECT OF ACTIVAED AMINES ON CYCLIC GMP LEVELS OF THE CEREBRAL CORTEX, HYPOTHALAMUS AND ANTERIOR PITUITARY GLAND] Sato A, Onaya T, Yamada T *Folia Endocrinol Jpn* 50: 476, 20 Feb 74 (Jpn)

INCORPORATION OF ¹⁴C FROM GLUCOSE INTO GLYCOGEN AND SOME AMINO ACIDS OF CEREBRAL CORTEX INFLUENCED BY POTASSIUM IONS IN VIVO. Krivanek J *Physiol Bohemoslov* 21: 615-22, 1972 (Eng)

CEREBRAL CORTEX, RAT

[EFFECT OF HYDROCORTISONE ADMINISTRATION ON THE RATE OF ANAEROBIC GLYCOLYSIS IN RAT CEREBRAL CORTEX SECTIONS] Bogdanova TS, Emelianov NA *Probl Endocrinol (Mosk)* 20: 74-6, May-Jun 74 (Rus)

CEREBRAL METABOLISM

CEREBRAL METABOLISM IN HYPOXIC HYPOXIA. I. PATTERN OF ACTIVATION OF GLYCOLYSIS: A RE-EVALUATION. Norberg K, Siesjö BK *Brain Res* 86: 31-44, 14 Mar 75 (Eng)

CEREBROSPINAL CANAL OBSTRUCTION

PATTERN OF CSF GLUCOSE CONCENTRATION AFTER INDUCED HYPERGLYCAEMIA IN PATIENTS WITH ACUTE MENINGITIS AND EVIDENCE OF CEREBROSPINAL CANAL OBSTRUCTION. Contoyiannis PA, Adamopoulos DA, Leventis AS *Eur Neurol* 13: 476-80, 1975 (Eng)

CEREBROSPINAL FLUID

CEREBROSPINAL FLUID AND BLOOD SUGAR RATIO IN HEALTH AND DISEASE: DIAGNOSTIC AND PROGNOSTIC SIGNIFICANCE IN INTRACRANIAL INFECTIONS. Reddi YR, Rao VS, Parthasaradhi J, Laxman S *Indian Pediatr* 12: 401-5, May 75 (Eng)

CESTODE HYMENOLEPIS DEMINUTA

STRUCTURE AND FUNCTION OF PARASITE SURFACE MEMBRANES. I. MECHANICAL OF PHLORIZIN INHIBITION OF HEXOSE TRANSPORT BY THE CESTODE HYMENOLEPIS DEMINUTA. McCracken RO, Lumsden RD *Comp Biochem Physiol [B]* 50: 153-7, 15 Jan 75 (Eng)

CHAIN ELONGATION

ON THE MECHANISM AND CONTROL OF THE MALONYL-COA-DEPENDENT CHAIN ELONGATION OF FATTY ACIDS. THE MALONYL-TRANSFER REACTION. Podack ER, Saathoff G, Seubert Eur *J Biochem* 50: 237-43, 16 Dec 74 (Eng)

CHAIN FLEXIBILITY

FATTY ACID CHAIN FLEXIBILITY IN THE MEMBRANES OF NORMAL AND TRANSFORMED FIBROBLASTS. Gaffney BJ *Proc Natl Acad Sci USA* 72: 664-8, Feb 75 (Eng)

CHD

SEE CORONARY HEART DISEASE

CHEMICAL ACTIVITY

[ROLE OF SPECIFIC IMPULSES IN THE POST-NATAL FORMATION OF CHEMICAL ACTIVITY IN MICROSTRUCTURES OF THE ANIMAL BRAIN VISUAL ANALYZER] Pigareva ZD *Usp Sovrem Biol* 79: 48-63, Jan-Feb 75 (Rus) [97]

CHEMICAL DIABETES

SERUM PROINSULIN IN CHILDREN AND ADOLESCENTS WITH CHEMICAL DIABETES. Rosenbloom AL, Starr JJ, Juhn D, Rubenstein AH *Diabetes* 24: 753-7, Aug 75 (Eng)

CHEMICAL IONIZATION

DETERMINATION OF PHENFORMIN IN BIOLOGICAL FLUIDS USING CHEMICAL IONIZATION MASS SPECTROMETRY. Matin SB, Karam JH, Forsham PH, Knight JB *Biomed Mass Spectrom* 1: 320-2, Oct 74 (Eng)

THE USE OF SOLID PROBE CHEMICAL IONIZATION MASS SPECTROMETRY AND GAS CHROMATOGRAPHY-CHEMICAL IONIZATION MASS SPECTROMETRY IN QUANTITATION OF DRUGS IN BIOLOGICAL FLUIDS. DETERMINATION OF TOLBUTAMIDE AND ITS METABOLITES IN HUMAN PLASMA. Matin SB, Knight JB *Biomed Mass Spectrom* 1: 323-8, Oct 74 (Eng)

CHICK

METHIONINE TOXICITY IN THE CHICK: NUTRITIONAL AND METABOLIC IMPLICATIONS. Katz RS, Baker DH *J Nutr* 105: 1168-75, Sep 75 (Eng)

DISTINCT COMPONENTS OF NEUTRAL AMINO ACID TRANSPORT IN CHICK SMALL INTESTINE. Miller DS, Barrill P, Lerner J *Comp Biochem Physiol [A]* 47: 767-77, 1 Feb 74 (Eng)

CHICK EMBRYO

THE PANCREATIC INSULIN CONTENT AND ITS RELATIONSHIP TO PLASMA GLUCOSE AND FREE FATTY ACID CONCENTRATIONS IN THE EMBRYO AND NEONATAL CHICK. Langslow DR *Br Poult Sci* 16: 329-33, Jul 75 (Eng)

PHYSIOLOGICAL EFFECTS OF HYPOXIA AND TRYPA BLUE IN 17-DAY CHICK EMBRYOS. Hoffman DJ *Teratology* 12: 57-60, Aug 75 (Eng)

CHILD

SERUM PROINSULIN IN CHILDREN AND ADOLESCENTS WITH CHEMICAL DIABETES. Rosenbloom AL, Starr JJ, Juhn D, Rubenstein AH *Diabetes* 24: 753-7, Aug 75 (Eng)

AGE-ADJUSTED ANALYSIS OF INSULIN RESPONSES DURING NORMAL AND ABNORMAL GLUCOSE TOLERANCE TESTS IN CHILDREN AND ADOLESCENTS. Rosenbloom AL, Wheeler L, Bianchi R, Chin FT, Tiwary CM, Grgic A *Diabetes* 24: 820-8, Sep 75 (Eng)

[EDITORIAL: CHILDREN OF DIABETIC MOTHERS] Weitz R, Laron Z *Harefuah* 88: 584-5, 15 Jun 75 (Heb)

[DIGITO-PALMAR DERMATOGLYPHICS OF THE CHILD BORN TO A DIABETIC MOTHER] Leblanc-Pieraert C, Walbaum R, Fontaine G *Lille Med* 20: 188-97, Mar 75 (Fre)

INTERACTION OF ENDOGENOUS GROWTH HORMONE, CORTISOL, AND CATECHOLAMINES WITH BLOOD GLUCOSE IN CHILDREN WITH BRITTLE DIABETES MELLITUS. Bruck E, MacGillivray MH *Pediatr Res* 9: 535-41, Jun 75 (Eng)

STIMULATION OF GROWTH HORMONE SECRETION BY LEVODOPA-PROPRANOLOL IN CHILDREN AND ADOLESCENTS. Anonymous *Pediatrics* 56: 262-6, Aug 75 (Eng)

[BENIGN DIABETES IN CHILDREN (AUTHORS TRANSL.)] Otto-Buczowska E, Kokot F, Kuska J *Przegl Lek* 32: 641-6, 1975 (Pol)

[PROBLEMS RAISED BY CORTICOID THERAPY IN CHILDREN] Mathieu H *Rev Prat* 25: 1151-8, 11 Mar 75 (Fre)

[DIABETES MELLITUS IN CHILDREN AND ADOLESCENTS (THERAPY, PREVENTION)] Vasiukova EA, Kasatkina EP *Sov Med* 52-6, Jun 75 (Rus)

[OUR EXPERIENCE WITH THE TUBERCULOUS INFECTION IN CHILDREN] Jokanovic R, Nikezić M, Nedic S *Srp Arh Celok Lek* 102: 866-73, Dec 74 (Ser)

[BLOOD GLUCOSE AND IMMUNOREACTIVE INSULIN IN CHILDREN WITH DIABETIC SIBLINGS AND DIABETIC MOTHERS (AUTHORS TRANSL.)] Waldhausl W, Rosenkranz A, Dudczak R *Z Kinderheilkd* 120: 59-68, 1 Jul 75 (Ger)

[EFFECT OF CARNITINE ON LIPID METABOLISM IN NORMAL CHILDREN] Gemelli M, Cordaro V *Boll Soc Ital Biol Sper* 50: 667-72, 30 May 74 (Ita)

Diabetes Literature—Keyword Index

CHILD, DIABETIC

CIRCADIAN VARIATION OF INTEGRATED CONCENTRATION OF GROWTH HORMONE IN CHILDREN AND ADULTS. Plotnick LP, Thompson RG, Kowarski A, de Lacerda L, Migeon CJ, Blizzard RM *Nature* 253: 240-7, 13 Feb 75 (Eng)

CHILD, DIABETIC

PLASMA LIPID LEVELS IN DIABETIC CHILDREN. EFFECT OF DIET RESTRICTED IN CHOLESTEROL AND SATURATED FATS. Kaufmann RL, Assal JPH, Soeldner JS, Wilmschurst EG, Lemaire JR, Gleason RE, White P *Diabetes* 24: 672-9, Jul 75 (Eng)

EFFECT OF PHYSICAL EXERCISE ON SECRETION OF GROWTH HORMONE, GLUCAGON, AND CORTISOL IN OBESE AND DIABETIC CHILDREN. Garlaschi C, di Natale B, del Guercio MJ, Caccamo A, Gargantini L, Chiumello G *Diabetes* 24: 758-61, Aug 75 (Eng)

CHILDHOOD

[ETHANOL ELIMINATION IN CHILDHOOD] Schippan R, Wagler S, Zschecke D *Kinderarzt Prax* 43: 193-201, May 75 (Ger)

[SIGNIFICANCE OF THE 2-DEOXY-D-GLUCOSE-TEST ON THE DIFFERENTIATION OF HYPOGLYCEMIA IN CHILDHOOD (AUTHORS TRANSL.)] Kruse K, Bartels H *Klin Paediatr* 187: 308-13, Jul 75 (Ger)

CHLOROPHYLL

[PROTON AND ELECTRON TRANSPORT THROUGH BILAYER MEMBRANES AND THE DECANE/WATER INTERFACE IN THE PRESENCE OF CHLOROPHYLL] Volkov AG, Lozhkin BT, Boguslavskii LI *Dokl Akad Nauk SSSR* 220: 1207-10, 1975 (Rus)

CHLORPROMAZINE

[PROCEEDINGS: STUDY OF GIF (GROWTH HORMONE INHIBITING FACTOR). (II). EFFECT OF GIF ON PLASMA GH AND PROLACTIN LEVELS OF RATS TREATED WITH NEMBUTOL AND CHLORPROMAZINE] Sawano S, Kokubu T, Ishizuka Y, Baba Y *Folia Endocrinol Jpn* 50: 269, 20 Feb 74 (Jpn)

CHLORPROPAMIDE EFFECT

EFFECT OF CHLORPROPAMIDE ON RENAL RESPONSE TO PARATHYROID HORMONE IN NORMAL SUBJECTS AND IN PATIENTS WITH HYPOPARATHYROIDISM AND PSEUDOHYPOPARATHYROIDISM. Coulson R, Moses AM *J Pharmacol Exp Ther* 194: 603-13, Sep 75 (Eng)

CHLORPROPAMIDE POISONING

LETTER: CHLORPROPAMIDE POISONING AND DIABETES INSIPIDUS. De Troyer A, Ectors M, Hubert JP *Lancet* 2: 514, 13 Sep 75 (Eng)

CHOLECYSTITIS, GANGRENOUS

[HAEMOCHOLECYST INDUCED BY GANGRENOUS CHOLECYSTITIS IN A DIABETIC (AUTHORS TRANSL.)] Rouby J, Mahieu F, Staquet JP, Bataille JP, Lederer J *Acta Gastroenterol Belg* 38: 237-41, May-Jun 75 (Fre)

CHOLESTEROL

PLASMA LIPID LEVELS IN DIABETIC CHILDREN. EFFECT OF DIET RESTRICTED IN CHOLESTEROL AND SATURATED FATS. Kaufmann RL, Assal JPH, Soeldner JS, Wilmschurst EG, Lemaire JR, Gleason RE, White P *Diabetes* 24: 672-9, Jul 75 (Eng)

HUMAN ADIPOCYTE CHOLESTEROL. CONCENTRATION, LOCALIZATION, SYNTHESIS, AND TURNOVER. Schreiberman PH, Dell RB *J Clin Invest* 55: 986-93, May 75 (Eng)

EFFECT OF CHOLESTYRAMINE ON TISSUE POOLS OF CHOLESTEROL. A PRELIMINARY REPORT. Kudchodkar BJ, Sodhi HS, Horlick L, Nazir DJ *Proc Soc Exp Biol Med* 148: 393-6, Feb 75 (Eng)

CHOLESTEROL BALANCE IN ATHEROSCLEROSIS-SUSCEPTIBLE ATHEROSCLEROSIS-RESISTANT PIGEONS. Siekert RG, Dicke BA, Subbiah MT, Kottke BA *Res Commun Chem Pathol Pharmacol* 10: 181-4, Jan 75 (Eng)

GENETIC CONTROL OF FATTY ACID METABOLISM, ESPECIALLY STUDY OF GENETIC CONTROL OF CHOLESTEROL. Mimura G *Jpn Circ J* 39: 303-9, Mar 75 (Eng)

[THE INFLUENCE OF ATHEROGENIC DIET AND COUMARIN ON THE ACCUMULATION OF TOTAL FATS AND CHOLESTEROL IN THE COMBS OF COCKS (AUTHORS TRANSL.)] Rucinski T, Kadziolka A, Ziolo T *Ann Univ Mariae Curie Sklodowska [Med]* 27: 115-22, 1972 (Pol)

CHOLESTEROL METABOLISM

USE OF MUTANT FIBROBLASTS IN THE ANALYSIS OF THE REGULATION OF CHOLESTEROL METABOLISM IN HUMAN CELLS. Brown MS, Brannan PG, Bohmfalk HA, Brunschede GY, Dana SE, Helgeson J, Goldstein JL *J Cell Physiol* 85: 425-36, Apr 75 (Eng)

[THE ACTION OF BETA-SITOSTEROL ON THE METABOLISM OF CHOLESTEROL (AUTHORS TRANSL.)] Weizel A *Med Klin* 70: 242-6, 7 Feb 75 (Ger)

CHOLESTEROL, SERUM

DIRECT DETERMINATION OF TOTAL SERUM CHOLESTEROL BY USE OF DOUBLE-WAVELENGTH SPECTROPHOTOMETRY. Sommers PB, Jatlow PI, Seligson D *Clin Chem* 21: 703-7, May 75 (Eng)

CHOLESTYRAMINE EFFECT

EFFECT OF CHOLESTYRAMINE ON TISSUE POOLS OF CHOLESTEROL. A PRELIMINARY REPORT. Kudchodkar BJ, Sodhi HS, Horlick L, Nazir DJ *Proc Soc Exp Biol Med* 148: 393-6, Feb 75 (Eng)

CHORIONIC GONADOTROPIC HORMONE

[CHORIONIC GONADOTROPIC HORMONE (A REVIEW OF THE LITERATURE)] Maisaia GI, Bakradze GA *Akush Ginekol (Mosk)* 49: 27-30, Apr 73 (Rus)

CHORIONIC VILLI

[THE SIZE OF CHORIONIC VILLI IN THE PLACENTA OF DIABETICS (AUTHORS TRANSL.)] Emmrich P, Muller G *Zentralbl Allg Pathol* 118: 504-9, 1974 (Ger)

CHOROID

FREE FATTY ACIDS, DIACYL- AND TRIACYL-GLYCEROLS AND TOTAL PHOSPHOLIPIDS IN VERTEBRATE RETINA: COMPARISON WITH BRAIN, CHOROID AND PLASMA. Aveland M, Bazan NG *J Neurochem* 23: 1127-35, Dec 74 (Eng)

CIGARETTE SMOKING

CHANGES ASSOCIATED WITH QUITTING CIGARETTE SMOKING: THE

FRAMINGHAM STUDY. Gordon T, Kannel WB, Dawber TR, McGee D *Am Heart J* 90: 322-8, Sep 75 (Eng)

CIRCADIAN RHYTHM

[RESULTS OF A STUDY ON THE CIRCADIAN RHYTHM OF CATECHOLAMINE EXCRETION ON NORMAL SUBJECTS AND THOSE WITH HIGH EXCRETION LEVELS (AUTHORS TRANSL.)] Wisser H, Knoll E *Chim Acta* 59: 1-7, 22 Feb 75 (Ger)

[PROCEEDINGS: ONE NIGHT SLEEP DEPRIVATION IN DEPRESSION AND CIRCADIAN RHYTHM IN BLOOD CORTISOL LEVEL] Yamaguchi N, Maeda K, Yoshimoto N, Sakamoto N, Miyazaki R *Folia Endocrinol Jpn* 50: 333, 20 Feb 74 (Jpn)

CIRCADIAN PITUITARY ADRENAL RHYTHMS. Krieger DT *Adv Exp Med Biol* 54: 169-89, 1975 (Eng)

CIRCADIAN VARIATION OF INTEGRATED CONCENTRATION OF GROWTH HORMONE IN CHILDREN AND ADULTS. Plotnick LP, Thompson RG, Kowarski A, de Lacerda L, Migeon CJ, Blizzard RM *Nature* 253: 240-7, 13 Feb 75 (Eng)

CIRCULAR DICHROISM

MALATE DEHYDROGENASE, CIRCULAR DICHROISM DIFFERENCE SPECTRA OF PORCINE HEART MITOCHONDRIAL AND SUPERNATANT ENZYMES, BINARY ENZYME-COENZYME, AND TERNARY ENZYME-COENZYME-SUBSTRATE ANALOG COMPLEXES. Eberhardt NL, Wolfe RG *J Biol Chem* 250: 2987-92, 25 Apr 75 (Eng)

CIRRHOSIS, LIVER

BEHAVIOR OF PANCREATIC GLUCAGON, INSULIN, AND HIGH IN LIVER CIRRHOSIS, AFTER ARGININE AND LV. GLUCOSE. Greco AV, Ghirlanda G, Patrono C, Fedili G, Manno R *Acta Diabetol Lat* 11: 330-9, Jul-Aug 74 (Eng)

CLARIAS BATRACHUS L

STUDIES ON THE DEVELOPMENT OF ENDOCRINE GLANDS IN FISHES. III. MORPHOGENESIS OF THE ENDOCRINE PANCREAS IN CLARIAS BATRACHUS L. Bel-sare DK *Z Mikrosk Anat Forsch* 88: 981-6, 1974 (Eng)

HISTOPATHOLOGY OF THE ENDOCRINE PANCREAS OF A FRESH-WATER FISH, CLARIAS BATRACHUS (L.) IX: EFFECT OF THE NEW ANTIDIABETIC DRUG, GLIBENCLAMIDE (HB 419). Bhatt SD *Anat Anz* 137: 138-46, 1975 (Eng)

CLINICAL EXPERIENCE

CLINICAL EXPERIENCES ON THERAPEUTIC MEASURES OF OBESITY. Strata A, Zuliani U, Cucurachi L, Dellanna A *G Clin Med* 55: 718-31, Oct 74 (Eng)

CLINICAL EXPERIENCE WITH HYPERSMOLAR NON-KETOTIC DIABETIC COMA. Pin L, Tan MG *Singapore Med J* 16: 147-9, Jun 75 (Eng)

CLOFIBRATE EFFECT

EFFECT OF HALOFENATE AND CLOFIBRATE ON LIPID SYNTHESIS IN RAT ADIPOCYTES. Greenspan MD, Germershausen JJ, Mackow R *Biochim Biophys Acta* 380: 190-8, 20 Feb 75 (Eng)

Diabetes Literature—Keyword Index

EFFECTS OF CLOFIBRATE AND A FAT-MODIFIED DIET ON SERUM LIPIDS. Brown HB, Lewis LA, Page IH *Clin Pharmacol Ther* 17: 171-8, Feb 75 (Eng)

COENZYME

MALATE DEHYDROGENASE, CIRCULAR DICHROISM DIFFERENCE SPECTRA OF PORCINE HEART MITOCHONDRIAL AND SUPERNATANT ENZYMES, BINARY ENZYME-COENZYME, AND TERNARY ENZYME-COENZYME-SUBSTRATE ANALOG COMPLEXES. Eberhardt NL, Wolfe RG *J Biol Chem* 250: 2987-92, 25 Apr 75 (Eng)

COENZYME A

MITOCHONDRIAL 3-HYDROXY-3-METHYL-GLUTARYL-COA SYNTHASE FROM CHICKEN LIVER. Reed WD, Lane MD *Methods Enzymol* 35: 155-60, 1975 (Eng)

3-HYDROXY-3-METHYLGLUTARYL-COA SYNTHASE FROM BAKERS YEAST. Middleton B, Tubbs PK *Methods Enzymol* 35: 173-7, 1975 (Eng)

[PRELIMINARY RESEARCH ON THE EFFECTS OF ADMINISTRATION OF COA ON PLASMAIC LIPIDS IN HUMANS] Arrigo F, Vitale D, Consolo F *Clin Ter* 71: 459-68, 15 Dec 74 (Ita)

COENZYME SPECIFICITY

COENZYME SPECIFICITY IN THE GLYCOLYSIS OF INTRAOCULAR FLUIDS. Gershbein LL, Dan TC *Res Commun Chem Pathol Pharmacol* 10: 155-61, Jan 75 (Eng)

COHORT INFLUENCE

LONGITUDINAL STUDY OF AGE AND COHORT INFLUENCES ON DIETARY PATTERNS. Garcia PA, Battese GE, Brewer WD *J Gerontol* 30: 349-56, May 75 (Eng)

COLD

[RESPONSES TO EXOGENOUS NOREPINEPHRINE IN RATS REARED IN COLD FOR SUCCESSIVE GENERATIONS, WITH SPECIAL REFERENCE TO CHANGES IN METABOLITES IN THE BLOOD (AUTHORS TRANSL.)] Moriya K, Maekubo H, Ito S *Hokkaido J Med Sci* 49: 98-102, Mar 74 (Jpn)

COLD ACCLIMATED

EVIDENCE AGAINST A MEDIATORY ROLE OF BROWN ADIPOSE TISSUE IN THE CALORIGENIC RESPONSE OF COLD-ACCLIMATED RATS TO NORADRENALINE. Foster DO *Can J Physiol Pharmacol* 52: 1051-62, Dec 74 (Eng)

COLD ADAPTED RAT

THE FLUIDITY AND ORGANIZATION OF MITOCHONDRIAL MEMBRANE LIPIDS OF THE BROWN ADIPOSE TISSUE OF COLD-ADAPTED RATS AND HAMSTERS AS DETERMINED BY NITROXIDE SPIN PROBES. Cannon B, Polnaszek CF, Butler KW, Eriksson LE, Smith IC *Arch Biochem Biophys* 167: 505-18, Apr 75 (Eng)

COLD EXPOSURE

ACUTE COLD EXPOSURE AND THE METABOLISM OF BLOOD GLUCOSE, LACTATE AND PYRUVATE, AND PLASMA AMINO ACIDS IN THE HIND LEG OF THE FED AND FASTED YOUNG OX. Bell AW,

Gardner JW, Manson W, Thompson GE *Br J Nutr* 33: 207-17, Mar 75 (Eng)

COLLAGEN

BASEMENT MEMBRANE COLLAGEN OF RENAL GLOMERULUS. Daniels JR, Chu GH *J Biol Chem* 250: 3531-7, 10 May 75 (Eng)

COLORIMETRIC DETERMINATION

SEMI-AUTOMATED COLORIMETRIC DETERMINATION OF TRIGLYCERIDES. Edora P, Rockerbie RA *Clin Biochem* 8: 5-10, Feb 75 (Eng)

COMA, DIABETIC

[LETTER: LOW-DOSE INSULIN THERAPY IN DIABETIC COMA: DOCUMENTATION OF RESULTING INSULIN LEVELS] Berger M, Cuppers HJ, Berchtold P, Zimmermann H *Dtsch Med Wochenschr* 100: 1995-6, 26 Sep 75 (Ger)

LETTER: SMALL INTRAVENOUS INSULIN BOLUSES IN THE TREATMENT OF DIABETIC COMA. Clumbeck N, Detroyer A, Naeije R, Ectors M, Balasse EO *Lancet* 2: 416, 30 Aug 75 (Eng)

LETTER: INTRAVENOUS INSULIN BOLUSES IN TREATMENT OF DIABETIC COMA. Alberti KG *Lancet* 2: 547-8, 20 Sep 75 (Eng)

CLINICAL EXPERIENCE WITH HYPEROSMOLAR NON-KETOTIC DIABETIC COMA. Pin L, Tan MG *Singapore Med J* 16: 147-9, Jun 75 (Eng)

[SMALL DOSES OF INTRAMUSCULAR INSULIN IN TREATMENT OF DIABETIC COMA] Reinholdtsen J *Tidsskr Nor Lægeforen* 95: 1413-4, 10 Sep 75 (Nor)

[PROGRESS IN THE TREATMENT OF DIABETIC COMA] Aarseth S *Tidsskr Nor Lægeforen* 95: 1426-7, 10 Sep 75 (Nor)

COMA, HYPEROSMOLAR DIABETIC

[CARDIOVASCULAR COMPLICATIONS OF HYPEROSMOLAR DIABETIC COMA. STUDY OF 4 CASES] Ramon JS, Daroca JC, Perez JF, Frances JM, Gorina AB *Rev Clin Exp* 137: 521-6, 30 Jun 75 (Spa)

COMATOUS PATIENT

[HEMOSTASIS IN COMATOUS AND SUBCOMATOUS PATIENTS WITH VIRAL HEPATITIS] Velkova-Simova N, Grunevska B *God Zh Med Fak Skopje* 17: 177-86, 1971 (Ser)

COMPLICATION

[LATE COMPLICATIONS OF DIABETES MELLITUS-CONSEQUENCE OF IMMUNOLOGIC REACTIONS] Bemm H, Lohmann D *Allerg Immunol (Leipz)* 20-21: 15-20, 1974-75 (Ger)

A-COMPONENT

[ISOLATION AND PROPERTIES OF AN INSULIN-LIKE PEPTIDE FROM A HIGH MOLECULAR A-COMPONENT OF COMMERCIAL BOVINE INSULIN] Zuhlke H, Kohnert KD, Wilke B, Schmidt S *Acta Biol Med Ger* 33: 399-406, 1974 (Ger)

COMPOSITE MEAL

STUDIES OF GASTROINTESTINAL INTERACTIONS. VII. CHARACTERISTICS OF THE ABSORPTION PATTERN OF SUGAR, FAT AND PROTEIN FROM COMPOSITE MEALS IN MAN. A QUANTITATIVE STUDY. Johansson C *Scand J Gastroenterol* 10: 33-42, 1975 (Eng)

CONTROL

COMPUTER-ASSISTED MEDICAL HISTORY

[COMPUTER-ASSISTED MEDICAL HISTORY SYSTEM AT THE UNIVERSITY OF LIEGE] Houziaux MO *Rev Med Liege* 30: 528-40, 15 Aug 75 (Fre)

CONGESTIVE HEART FAILURE

[EFFECT OF GLUCAGON ON THE LEFT VENTRICULAR FUNCTION IN PATIENTS WITH CONGESTIVE HEART FAILURE (AUTHORS TRANSL.)] Dubiel JS, Pyzik A, Szczeklik J, Dubiel JP, Cibor E *Przegl Lek* 32: 662-8, 1975 (Pol)

CONNECTIVE TISSUE

[INDICATORS OF THE CONDITION OF CONNECTIVE TISSUE AND THE ACTIVITY OF THE PENTOSE CYCLE OF GLUCOSE METABOLISM IN PATIENTS WITH DIABETES MELLITUS] Dozoretz IuL, Okorokov AN, Bobkov VJa, Rabkin M *Sov Med* 57-60, Jun 75 (Rus)

ARTERIAL LYOSOMES AND CONNECTIVE TISSUE IN PRIMATE ATHEROSCLEROSIS AND HYPERTENSION. Wolinsky H, Goldfischer S, Daly MM, Kasak LE, Colloff-Schiller B *Circ Res* 36: 553-61, Apr 75 (Eng)

CONSCIOUSNESS LOSS

[LOSS OF CONSCIOUSNESS IN A DIABETIC PATIENT] Shakkai M, Pinchas I, De-Vries A *Harefuah* 88: 536, 1 Jun 75 (Heb)

CONSTANT DARKNESS EFFECT

THE NYCTOHEMERAL RHYTHM OF PLASMA PROLACTIN: EFFECTS OF GANGLIONECTOMY, PINEALECTOMY, CONSTANT LIGHT, CONSTANT DARKNESS OR 6-OH-DOPAMINE ADMINISTRATION. Kizer JS, Zivin JA, Jacobowitz DM, Kopin IJ *Endocrinology* 96: 1230-40, May 75 (Eng)

CONSTANT LIGHT EFFECT

THE NYCTOHEMERAL RHYTHM OF PLASMA PROLACTIN: EFFECTS OF GANGLIONECTOMY, PINEALECTOMY, CONSTANT LIGHT, CONSTANT DARKNESS OR 6-OH-DOPAMINE ADMINISTRATION. Kizer JS, Zivin JA, Jacobowitz DM, Kopin IJ *Endocrinology* 96: 1230-40, May 75 (Eng)

CONTACT BLOCKADE

SLOW AXONAL TRANSPORT OR PROTEINS; BLOCKADE BY INTERRUPTION OF CONTACT BETWEEN CELL BODY AND AXON. Frizell M, McLean WG, Sjostrand J *Brain Res* 86: 67-73, 14 Mar 75 (Eng)

CONTROL

SPECIAL ISSUE ON ATHERO-ARTERIOSCLEROSIS. AN ICONOCLASTIC VIEW OF CURRENT CONCEPTS CONCERNING GENESIS, PREVENTION, AND CONTROL. Blumenthal HT, Alex M *Gerontologia* 21: 129-75, 1975 (Eng)

CONTROL OF DIABETIC PATIENTS: COMPARISON OF INFORMATION OBTAINED FROM FASTING BLOOD SUGAR LEVEL AND THE GLYCEMIC CYCLE. Mejean L, Drouin P, Martin JM, Debry G *Acta Diabetol Lat* 11: 340-6, Jul-Aug 74 (Eng)

PLASMA LIPIDS AND LIPOPROTEINS IN VEGETARIANS AND CONTROLS. Sacks FM, Castelli WP, Donner A, Kass EH *N Engl J Med* 292: 1148-51, 29 May 75 (Eng)

Diabetes Literature—Keyword Index

CONVERSION

CONTROL OF PHOSPHORYLATIVE ACTIVITY IN HUMAN LIVER MITOCHONDRIA THROUGH CHANGES IN RESPIRATORY ENZYME CONTENTS. Ozawa K, Honjo I *Clin Sci Mol Med* 48: 75-82, Feb 75 (Eng)

ON THE MECHANISM AND CONTROL OF THE MALONYL-COA-DEPENDENT CHAIN ELONGATION OF FATTY ACIDS. THE MALONYL-TRANSFER REACTION. Podack ER, Saathoff G, Seubert Eur J Biochem 50: 237-43, 16 Dec 74 (Eng)

CONVERSION

CONVERSION OF [125I]GROWTH HORMONE INTO HIGH MOLECULAR WEIGHT FORMS IN VIVO. Antoniadou HN *Endocrinology* 96: 799-802, Mar 75 (Eng)

CORNEA

[EXPERIMENTAL STUDIES ON CARBOHYDRATE METABOLISM IN THE CORNEA. CHEMICAL ANALYSIS OF PROTEIN AND LIPID CONTENT IN THE RAT CORNEA] Gekka M, Komono M *Acta Soc Ophthalmol Jpn* 78: 1102-6, 10 Oct 74 (Jpn)

CORNEAL NUTRITION

PROCEEDINGS: HEXOKINASE ACTIVITY AND CORNEAL NUTRITION. Reim M, Grodau K, Kuhr M *Exp Eye Res* 20: 179, Feb 75 (Eng)

CORONAROPATHY

[CORONAROPATHIES IN THE BLACK AFRICAN. CLINICAL, ETIOLOGICAL AND CURRENT EPIDEMIOLOGICAL ASPECTS (APPROPOS OF 45 CASES)] Bertrand E, Baudin L, Chauvet J, Assamoi MO, Beda B, Renambot J, Thomas JY, Le Bras M *Arch Mal Coeur* 67: 1447-55, Dec 74 (Fre)

CORONARY

AORTO-CORONARY BYPASS IN THE DIABETIC PATIENT. Draskoczy SP, Leland OS, Bradley RF *Kidney Int [Suppl]* 37-40, Oct 74 (Eng)

THE GROSS AND HISTOLOGIC APPEARANCE AND THE LIPID COMPOSITION OF NORMAL INTIMA AND LESIONS FROM HUMAN CORONARY ARTERIES AND AORTA. Pangamala RV, Geor JC, Sharma HM, Cornwell DG *Atherosclerosis* 20: 93-104, Jul-Aug 74 (Eng)

CORONARY FAILURE

[BLOOD GLUCOSE CURVE IN PATIENTS WITH INTRACTABLE CORONARY FAILURE] Sliedziewski K, Kraszewska Z, Lada W *Pol Tyg Lek* 30: 1479-81, 8 Sep 75 (Pol)

CORONARY HEART DISEASE

[RISK FACTORS OF CORONARY HEART DISEASES IN HOSPITALIZED PSYCHIC PATIENTS] Schwab H *Munch Med Wochenschr* 117: 1181-8, 11 Jul 75 (Ger)

CORTEX, DOG KIDNEY

OXIDATION OF 14C-LABELED SUBSTRATES BY DOG KIDNEY CORTEX AT 10 AND 38 DEGREES C. Huang JS, Downes GL, Childress GI, Felts JM, Belzer FO *Cryobiology* 11: 387-94, Oct 74 (Eng)

CORTEX, KIDNEY

[UREMIA TOXINS: EFFECT OF MEDIUM AND HIGH MOLECULAR FRACTIONS FROM NORMAL URINE ON GLUCONEOGENESIS

OF THE KIDNEY CORTEX SECTIONS IN THE RAT] Lamberts B, Brunner H, Heintz R *Verh Dtsch Ges Inn Med* 80: 722-5, 1974 (Ger)

CORTEX, RAT KIDNEY

THE EFFECT OF DIAMIDE AND GLUTATHIONE ON THE UPTAKE OF ALPHA-METHYL-D-GLUCOSIDE BY SLICES OF RAT KIDNEY CORTEX. Pillion DJ, Leibach FH *Biochim Biophys Acta* 382: 246-52, 13 Mar 75 (Eng)

RELATIONSHIP BETWEEN FREE FATTY ACIDS AND GLUCOSE UPTAKE BY RAT KIDNEY CORTEX SLICES. Chorvathova V, Ondreicha R, Dzurik R *Physiol Bohemoslov* 21: 629-32, 1972 (Eng)

CORTICOID THERAPY

[PROBLEMS RAISED BY CORTICOID THERAPY IN CHILDREN] Mathieu H *Rev Prat* 25: 1151-8, 11 Mar 75 (Fre)

CORTISOL

INTERACTION OF ENDOGENOUS GROWTH HORMONE, CORTISOL, AND CATECHOLAMINES WITH BLOOD GLUCOSE IN CHILDREN WITH BRITTLE DIABETES MELLITUS. Bruck E, MacGillivray MH *Pediatr Res* 9: 535-41, Jun 75 (Eng)

GROWTH HORMONE AND CORTISOL IN NEONATES DURING PHOTOTHERAPY. von Muhlen Dahl KE, Ballowitz L *Z Kinderheilkd* 119: 53-8, 1975 (Eng)

[PROCEEDINGS: PROTEIN BINDING OF CORTISOL AND GLUCOSE METABOLISM INHIBITION BY THYMIC CELLS] Senoo H, Niimi M, Matsui N *Folia Endocrinol Jpn* 50: 339, 20 Feb 74 (Jpn)

UPTAKE OF 3-O-METHYL-14C-D-GLUCOSE BY RAT THYMIC LYMPHOCYTES: INSENSITIVITY TO CORTISOL AND INHIBITORS OF RIBONUCLEIC ACID AND PROTEIN SYNTHESIS, AND SENSITIVITY TO CYTOCHALASIN B. Feldman MJ, Kraetsch RE, Lichtman MA, Peck WA *J Reticuloendothel Soc* 16: 318-26, Dec 74 (Eng)

CORTISOL, BLOOD

[PROCEEDINGS: ONE NIGHT SLEEP DEPRIVATION IN DEPRESSION AND CIRCADIAN RHYTHM IN BLOOD CORTISOL LEVEL] Yamaguchi N, Maeda K, Yoshimoto N, Sakamoto N, Miyazaki R *Folia Endocrinol Jpn* 50: 333, 20 Feb 74 (Jpn)

CORTISOL EFFECT

HORMONE ACTION AND MEMBRANE FLUIDITY: EFFECT OF INSULIN AND CORTISOL ON THE HILL COEFFICIENTS OF RAT ERYTHROCYTE MEMBRANE-BOUND ACETYLCHOLINESTERASE AND (NA& & K&)-ATPASE. Massa EM, Morero RD, Bloj B, Farias RN *Biochem Biophys Res Commun* 66: 115-22, 2 Sep 75 (Eng)

CORTISOL, PLASMA

CHANGES IN PLASMA CORTISOL, GLUCOSE AND FREE FATTY ACIDS AFTER CAFFEINE INGESTION IN OBESE WOMEN. Oberman Z, Herzberg M, Jaskolka H, Harell A, Hoerer E, Laurian L *Isr J Med Sci* 11: 33-6, Jan 75 (Eng)

CORTISOL SECRETION

EFFECT OF PHYSICAL EXERCISE ON SECRETION OF GROWTH HORMONE, GLUCAGON, AND CORTISOL IN OBESE AND

DIABETIC CHILDREN. Garlaschi C, di Natale B, del Guercio MJ, Caccamo A, Gargantini L, Chiumello G *Diabetes* 24: 758-61, Aug 75 (Eng)

[PROCEEDINGS: EFFECT OF PITUITARY STALK SECTION ON GROWTH HORMONE AND CORTISOL SECRETION IN RHESUS MONKEY] Kuwayama A, Shintani A, Kageyama N, Zervas NT *Folia Endocrinol Jpn* 50: 280, 20 Feb 74 (Jpn)

CORTISOL, SERUM

MONTHLY VARIATIONS OF SERUM LEVELS OF THYROTROPIN, GROWTH HORMONE AND CORTISOL IN MAN. Golstein J, Van Cauter E, Leclercq R, Copinschi G, Vanhaelst L *Horm Metab Res* 6: 506-9, Nov 74 (Eng)

CORTISONE

[INFLUENCE OF DIET, CORTISONE AND INSULIN ON VARIATIONS IN ENZYME ACTIVITY OF PYRUVATE CARBOXYLASE (EC 6.4.1.1) AND PHOSPHOENOLPYRUVATE CARBOXYKINASE (EC 4.1.1.32) IN RAT LIVER] Peret J, Chanez M *C R Acad Sci [D]* (Paris) 279: 2095-8, 23 Dec 74 (Fre)

COUPLING

THE RAPID LABELING OF ADENOSINE TRIPHOSPHATE BY 32P-LABELED INORGANIC PHOSPHATE AND THE EXCHANGE OF PHOSPHATE OXYGENS AS RELATED TO CONFORMATIONAL COUPLING IN OXIDATIVE PHOSPHORYLATION. Cross RL, Boyer PD *Biochemistry* 14: 392-8, 28 Jan 75 (Eng)

COUPLING OF ALANINE RACEMASE AND D-ALANINE DEHYDROGENASE TO ACTIVE TRANSPORT OF AMINO ACIDS IN ESCHERICHIA COLI B MEMBRANE VESICLES. Kaczorowski G, Shaw L, Fentes M, Walsh C *J Biol Chem* 250: 2855-65, 25 Apr 75 (Eng)

COUPLING ENZYME

THE KINETICS OF COUPLED ENZYME REACTIONS. APPLICATIONS TO THE ASSAY OF GLUCOKINASE, WITH GLUCOSE 6-PHOSPHATE DEHYDROGENASE AS COUPLING ENZYME. Storer AC, Cornish-Bowden A *Biochem J* 141: 205-9, Jul 74 (Eng)

COUPLING, PHYSICO-CHEMICAL

A MODEL OF A PHYSICO-CHEMICAL COUPLING OF BIOLOGICAL INTEREST. Popescu AI, Popescu AA *Bull Math Biol* 37: 51-7, Mar 75 (Eng)

CULTURE

DIFFERENCES IN PROLIFERATIVE ACTIVITY OF RAT AND HUMAN PROSTATE IN CULTURE. Shipman PA, Littlewood V, Riches AC, Thomas GH *Br J Cancer* 31: 570-80, May 75 (Eng)

[HISTOCYTOSIS-X. HISTOCHEMICAL AND AUTORADIOGRAPHIC ELEMENTS PROVING LIPID SYNTHESIS IN VITRO CULTURE] Nezelof C, Despres S, Barbey S, Rousseau MF *Biomedicine* 20: 414-24, Nov 74 (Fre)

AN IMPROVED METHOD FOR THE ISOLATION OF SURFACE MEMBRANES FROM CELLS IN MONOLAYER CULTURE. Carlson SA, Till JE *Can J Biochem* 53: 106-8, Jan 75 (Eng)

EFFECT OF GOLDTHIOGLUCOSE ON LONG-TERM CULTURES OF MOUSE HYPOTHALAMUS. Geller HM, Cechner RL, Fleming DG *Neurobiology* 2: 154-61, 1972 (Eng)

Diabetes Literature—Keyword Index

DEHYDROGENASE

UPTAKE PATTERNS AND TRANSPORT ENHANCEMENTS IN CULTURES OF HAMSTER CELLS DEPRIVED OF CARBOHYDRATES. Ullrey D, Gammon MT, Kalkar HM *Arch Biochem Biophys* 167: 410-6, Apr 75 (Eng)

[PROCEEDINGS: RADIOIMMUNOASSAY OF GROWTH HORMONE AND PROLACTIN IN THE CULTURE FLUID DERIVED FROM PITUITARY TUMOR] Idemura R, Ichikawa K, Maeda T, Odagiri E, Suda T *Folia Endocrinol Jpn* 50: 289, 20 Feb 74 (Jpn)

CULTURED CELL

CYCLIC AMP, MEMBRANE TRANSPORT AND CELL DIVISION. I. EFFECTS OF VARIOUS CHEMICALS ON CYCLIC AMP LEVELS AND RATE OF TRANSPORT OF NEUCLEOSIDES, HYPOXANTHINE AND DEOXYGLUCOSE IN SEVERAL LINES OF CULTURED CELLS. Sheppard JR, Plagemann PG *J Cell Physiol* 85: 163-72, Apr 75 (Eng)

CURRENT DATA

[PANCREATIC TRANSPLANTATION: ENDOCRINE FUNCTION OF THE GRAFTED PANCREAS. CURRENT DATA AND FUTURE PROSPECTS] Eloy R, Jaekc D, Schang JC, Van-nareth T, Gillet M, Grenier JF, Moody AJ *Ann Chir* 29: 559-69, Jun 75 (Fre)

CURRENT PERSPECTIVE

[CURRENT POSSIBILITIES AND PERSPECTIVES IN THE DEVELOPMENT AND TREATMENT OF DIABETES MELLITUS] Lepsanovic R, Kovac T *Med Pregl* 28: 233-40, 1975 (Ser)

CUSHINGS SYNDROME

THE DIAGNOSTIC VALUE OF HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL FUNCTION TESTS IN PATIENTS WITH CUSHINGS SYNDROME. Hashimoto K *Acta Med Okayama* 29: 111-26, Apr 75 (Eng)

[PROCEEDINGS: RESPONSES OF PLASMA ACTH, GH, LH, FSH, TSH AND PROLACTIN IN CUSHINGS SYNDROME] Hashimoto K, Asaoka K, Mori M, Yokoyama M, Miyoshi M *Folia Endocrinol Jpn* 50: 537, 20 Feb 74 (Jpn)

CYCLIC AMP

SEE ADENOSINE-3,5-CYCLIC-MONOPHOSPHATE

CYCLIC NUCLEOTIDE

CYCLIC NUCLEOTIDE METABOLISM IN THE RETINA. Bensinger RE, Podos SM *Invest Ophthalmol* 14: 263-6, Apr 75 (Eng)

CYPROHEPTADINE EFFECT

EFFECTS OF CYPROHEPTADINE ON INSULIN SECRETION BY ISOLATED PERFUSED RAT ISLETS. Richardson BP, McDaniel ML, Lacy PE *Diabetes* 24: 836-41, Sep 75 (Eng)

CYST, VENTRICLE

[HYPOTHALAMIC ANOMALIES WITH HYPERINSULINISM ASSOCIATED WITH A CYST OF THE 3D VENTRICLE] Lelievre M, Szots F, Nadcau A *Union Med Can* 104: 422-7, Mar 75 (Fre)

CYSTITIS EMPHYSEMATOSA

[CYSTITIS EMPHYSEMATOSA (AUTHORS TRANSL.)] Sunaric D *Fortschr Geb Roentgenstr Nuklearmed* 122: 550-3, Jun 75 (Ger)

CYTOCHALASIN B

UPTAKE OF 3-O-METHYL-14C-D-GLUCOSE BY RAT THYMIC LYMPHOCYTES: INSENSITIVITY TO CORTISOL AND INHIBITORS OF RIBONUCLEIC ACID AND PROTEIN SYNTHESIS, AND SENSITIVITY TO CYTOCHALASIN B. Feldman MJ, Kraetsch RE, Lichtman MA, Peck WA *J Reticuloendothel Soc* 16: 318-26, Dec 74 (Eng)

BINDING OF CYTOCHALASIN B TO A RED CELL MEMBRANE PROTEIN. Lin S, Spudich JA *Biochem Biophys Res Commun* 61: 1471-6, 23 Dec 74 (Eng)

CYTOCHEMICAL LOCALIZATION

CYTOCHEMICAL LOCALIZATION OF PHOSPHODIESTERASE: AXONAL MITOCHONDRIA AND MICROTUBULES. Berg JS *J Insect Physiol* 21: 455-61, Feb 75 (Eng)

CYTOCHEMISTRY

[THE FUNCTIONAL CYTOCHEMISTRY OF AMINE PRECURSOR UPTAKE AND DECARBOXYLATION (APUD) CELLS AND ITS USES IN PATHOLOGY] Berger G, Barthelemy C, Tabib A *Ann Anat Pathol (Paris)* 19: 371-98, Oct-Dec 74 (Fre)

CYTOCHROME

[EFFECT OF LIPIDS ON LIVER MICROSOMAL MEMBRANES. (2) STUDIES ON THE INTERACTION BETWEEN EXTRA-CYTOCHROME B5 AND MICROSOMAL MEMBRANES (AUTHORS TRANSL.) Ozaki S *Hokkaido J Med Sci* 49: 337-46, Jul 74 (Jpn)

MITOCHONDRIAL FUNCTION UNDER HYPOXIC CONDITIONS: THE STEADY STATES OF CYTOCHROME ALPHA&ALPHA3 AND THEIR RELATION TO MITOCHONDRIAL ENERGY STATES. Oshino N, Sugano T, Oshino R, Chance B *Biochim Biophys Acta* 368: 298-310, 19 Dec 74 (Eng)

CYTOCHROME C

[EFFECT OF LIPIDS ON LIVER MICROSOMAL MEMBRANES. (1) STUDIES OF A RELATIONSHIP BETWEEN DELIPIDATION OF LIVER MICROSOMES WITH THE VARIOUS ORGANIC SOLVENTS AND CYTOCHROME C REDUCTASE ACTIVITY LINKED TO REDUCED NICOTINAMIDE ADENINE DINUCLEOTIDE (AUTHORS TRANSL.) Ozaki S *Hokkaido J Med Sci* 49: 326-36, Jul 74 (Jpn)

CYTOPLASM

LOCALIZATION OF ENZYMES INVOLVED IN POLYPHOSPHOINOSITIDS METABOLISM ON THE CYTOPLASMIC SURFACE OF THE HUMAN ERYTHROCYTE MEMBRANE. Burris Garrett RJ, Redman CM *Biochim Biophys Acta* 382: 58-64, 28 Feb 75 (Eng)

CYTOPLASMIC MICROTUBULES AND THEIR FUNCTIONS. Roberts K *Prog Biophys Mol Biol* 28: 371-420, 1974 (Eng) [416]

DARKNESS

[PROCEEDINGS: GROWTH HORMONE (CGH) SECRETION IN THE DOG DURING SLEEPING. 3. THE EFFECT OF LIGHT, DARKNESS AND SLEEP INTERRUPTION] Takahashi K, Takahashi Y, Hoda H, Tsushima T, Irie M *Folia Endocrinol Jpn* 50: 273, 20 Feb 74 (Jpn)

DEATH

RISK FACTORS FOR MYOCARDIAL INFARCTION AND DEATH DUE TO ISCHEMIC HEART DISEASE AND OTHER CAUSES. Tibblin G, Wilhelmsen L, Werkö L *Am J Cardiol* 35: 514-22, Apr 75 (Eng)

DEATH, FETAL

DIABETES AND ANTENATAL FETAL DEATH. Salzberger M, Liban E *Isr J Med Sci* 11: 623-8, Jun 75 (Eng)

DEFECT

CONDITIONALLY LETHAL MUTATIONS IN CHINESE HAMSTER CELLS. CHARACTERIZATION OF A CELL LINE WITH A POSSIBLE DEFECT IN THE KREBS CYCLE. DeFrancesco L, Wernitz D, Scheffler IE *J Cell Physiol* 85: 293-305, Apr 75 (Eng)

DEFICIENCY

THE EFFECT OF ESSENTIAL FATTY ACIDS DEFICIENCY ON THE NITROGEN METABOLISM OF RATS. al-Nagdy SA, al-Gauhari AA, el-Sabbagh ME, Elise EA *Comp Biochem Physiol [A]* 47: 835-43, 1 Mar 74 (Eng)

[PROCEEDINGS: DEFICIENCIES OF GROWTH HORMONE, THYROID STIMULATING HORMONE AND GONAD STIMULATING HORMONE IN A BROTHER AND SISTER] Shishiba Y, Shimizu T, Ozawa Y, Kawabata T *Folia Endocrinol Jpn* 50: 625, 20 Feb 74 (Jpn)

DEFICIENCY, CONGENITAL

[NEONATAL LACTIC ACIDOSIS AND HYPOGLYCEMIA DUE TO A CONGENITAL HEPATIC FRUCTOSE-1,6-DIPHOSPHATASE DEFICIENCY] Retbi JM, Gabilan JC, Marsac C *Arch Fr Pediatr* 32: 367-80, Apr 75 (Fre)

DEGENERATIVE JOINT DISEASE

LABORATORY DIAGNOSIS OF DEGENERATIVE JOINT DISEASE. Schumacher HR Jr *Ann Clin Lab Sci* 5: 242-7, Jul-Aug 75 (Eng)

DEGRADATION

COMPARISON OF 125-I-INSULIN BINDING AND DEGRADATION TO ISOLATED RAT HEPATOCYTES AND LIVER MEMBRANES. Olefsky J, Johnson J, Liu F, Edwards P, Baur S *Diabetes* 24: 801-10, Sep 75 (Eng)

THE HETEROGENEITY AND DEGRADATION OF GLUCAGON STUDIED BY POLYACRYLAMIDE GEL ELECTROPHORESIS. Calam DH, Storrer PL *J Biol Stand* 3: 263-5, 1975 (Eng)

PROTECTION OF RENAL PHOSPHOENOLPYRUVATE CARBOXYKINASE AGAINST DEGRADATION IN VITRO BY ATP, CYCLIC AMP AND AMINO ACIDS. Seubert W, Peters HH, Boie-Nath A *Biochem Biophys Res Commun* 63: 36-42, 3 Mar 75 (Eng)

DEHYDROGENASE

EFFECT OF MEAL-FEEDING ON THE DAILY VARIATIONS OF INSULIN, GLUCOSE, AND NADP-LINKED DEHYDROGENASES IN RATS. Kaul I, Berdanier CD *J Nutr* 105: 1132-40, Sep 75 (Eng)

INHERITED DEPRESSION OF ARTERIAL LIPAMIDE DEHYDROGENASE ACTIVITY ASSOCIATED WITH SUSCEPTIBILITY TO ATHEROSCLEROSIS IN PIGEONS. Zemplyni T, Blankenhorn DH, Rosenstein AJ *Circ Res* 36: 640-6, May 75 (Eng)

Diabetes Literature—Keyword Index

DEHYDROGENASE, D-GLYCERALDEHYDE 3 PHOSPHATE

COUPLING OF ALANINE RACEMASE AND D-ALANINE DEHYDROGENASE TO ACTIVE TRANSPORT OF AMINO ACIDS IN ESCHERICHIA COLI B MEMBRANE VESICLES. Kaczorowski G, Shaw L, Fentes M, Walsh C *J Biol Chem* 250: 2855-65, 25 Apr 75 (Eng)

THE PURIFICATION AND SOME PROPERTIES OF ELECTRON TRANSFER FLAVOPROTEIN AND GENERAL FATTY ACYL COENZYME A DEHYDROGENASE FROM PIG LIVER MITOCHONDRIA. Hall CL, Kamin H *J Biol Chem* 250: 3476-86, 10 May 75 (Eng)

[MICROSOME-ASSOCIATED 17BETA-HYDROXYSTEROID DEHYDROGENASES OF HUMAN PLACENTA, II KINETIC STUDIES AND CHARACTERIZATION OF THE SOLUBILIZED ESTRADIOL-AND TESTOSTERONE-SENSITIVE 17BETA-HSD ACTIVITIES] Follow K, Runge W, Follow B *Z Naturforsch [C]* 30: 17-24, Jan-Feb 75 (Ger)

DEHYDROGENASE, D-GLYCERALDEHYDE 3 PHOSPHATE

THREE-DIMENSIONAL STRUCTURE OF D-GLYCERALDEHYDE-3-PHOSPHATE DEHYDROGENASE. Buehner M, Ford GC, Olsen KW, Moras D, Rossman MG *J Mol Biol* 90: 25-49, 25 Nov 74 (Eng)

DEHYDROGENASE, GLUCOSE-6-PHOSPHATE

THE KINETICS OF COUPLED ENZYME REACTIONS. APPLICATIONS TO THE ASSAY OF GLUCOKINASE, WITH GLUCOSE 6-PHOSPHATE DEHYDROGENASE AS COUPLING ENZYME. Storer AC, Cornish-Bowden A *Biochem J* 141: 205-9, Jul 74 (Eng)

DEHYDROGENASE, GLYCERALDEHYDE 3 PHOSPHATE

CHARACTERIZATION OF ERYTHROCYTE MEMBRANE-ASSOCIATED ENZYMES (GLYCERALDEHYDE-3-PHOSPHATE DEHYDROGENASE AND PHOSPHOGLYCERIC KINASE). Schrier SL, Ben-Bassat I, Junga I, Seeger M, Grumet FC *J Lab Clin Med* 85: 797-810, May 75 (Eng)

DEHYDROGENASE, MALATE

[NADP- AND NAD-MALATE DEHYDROGENASE IN THE LIVER AND RENAL CORTX AND HORMONAL REGULATION OF ITS ACTIVITY] Tsonecheva AV *Eksp Med Morfol* 13: 89-95, 1974 (Bul)

MALATE DEHYDROGENASE, CIRCULAR DICHROISM DIFFERENCE SPECTRA OF PORCINE HEART MITOCHONDRIAL AND SUPERNATANT ENZYMES, BINARY ENZYME-COENZYME, AND TERNARY ENZYME-COENZYME-SUBSTRATE ANALOG COMPLEXES. Eberhardt NL, Wolfe RG *J Biol Chem* 250: 2987-92, 25 Apr 75 (Eng)

DEHYDROGENASE, PYRUVATE

CONTROL OF PYRUVATE DEHYDROGENASE ACTIVITY IN INTACT CARDIAC MITOCHONDRIA. REGULATION OF THE INACTIVATION AND ACTIVATION OF THE DEHYDROGENASE. Chiang PK, Sacktor B *J Biol Chem* 250: 3399-408, 10 May 75 (Eng)

REGULATION OF PYRUVATE DEHYDROGENASE IN ISOLATED RAT LIVER MITOCHONDRIA. EFFECTS OF OCTANOATE, OXIDATION-REDUCTION STATE, AND ADENOSINE TRIPHOSPHATE TO ADENOSINE DIPHOSPHATE RATIO. Taylor SI, Mukherjee C, Jungas RL *J Biol Chem* 250: 2028-35, 25 Mar 75 (Eng)

DELIVERY

SIGNIFICANCE OF THE ORAL GLUCOSE TOLERANCE TEST PERFORMED ON THE THIRD DAY AFTER DELIVERY FOR THE DIAGNOSIS OF DIABETES IN PREGNANCY. Salzberger M, Sharon A, Liban E *Isr J Med Sci* 11: 629-31, Jun 75 (Eng)

DENTIST

[PREOPERATIVE MEDICAL SURVEY AND THE DENTISTS RESPONSIBILITY] Pompiani-Miniac L *Rev Odontostomatol (Paris)* 3: 199-205, May 74 (Fre)

DENTISTRY

GENERAL DENTISTRY AND ORAL MEDICINE IN THE HOSPITAL. Greenberg MS *Dent Clin North Am* 19: 643-56, Oct 75 (Eng)

DEOXYGLUCOSE

CYCLIC AMP, MEMBRANE TRANSPORT AND CELL DIVISION. I. EFFECTS OF VARIOUS CHEMICALS ON CYCLIC AMP LEVELS AND RATE OF TRANSPORT OF NUCLEOSIDES, HYPOXANTHINE AND DEOXYGLUCOSE IN SEVERAL LINES OF CULTURED CELLS. Sheppard JR, Plagemann PG *J Cell Physiol* 85: 163-72, Apr 75 (Eng)

2-DEOXY-D-GLUCOSE

THE EFFECTS OF LOW CONCENTRATIONS OF 2-DEOXY-D-GLUCOSE ON THE GROWTH, SURFACE ARCHITECTURE, AND GLYCOPROTEIN METABOLISM OF P388 LYMPHOMA CELLS. Myers MW, Sartorelli AC *Biochem Biophys Res Commun* 63: 164-71, 3 Mar 75 (Eng)

CONCENTRATIVE ACCUMULATION (ACTIVE TRANSPORT) OF 2-DEOXY-D-GLUCOSE IN PRIMATE FIBROBLASTS. Tsuboi KK, Petriciani JC *Biochem Biophys Res Commun* 62: 587-93, 3 Feb 75 (Eng)

2-DEOXY-D-GLUCOSE EFFECT

[PROCEEDINGS: EFFECT OF 2-DEOXY-D-GLUCOSE ON FOOD UPTAKE AND BODY WEIGHT INCREASE IN RATS] Naito C, Okada T *Folia Endocrinol Jpn* 50: 646, 20 Feb 74 (Jpn)

2-DEOXY-D-GLUCOSE TEST

[SIGNIFICANCE OF THE 2-DEOXY-D-GLUCOSE-TEST ON THE DIFFERENTIATION OF HYPOGLYCEMIA IN CHILDHOOD (AUTHORS TRANSL)] Kruse K, Bartels H *Klin Paediatr* 187: 308-13, Jul 75 (Ger)

DEOXYRIBONUCLEIC ACID SYNTHESIS

CORRELATION OF EARLY CHANGES IN AMINO ACID TRANSPORT AND DNA SYNTHESIS IN STIMULATED LYMPHOCYTES. Van den Berg KJ, Betel I *Cell Immunol* 10: 319-23, Feb 74 (Eng)

DEPLETED HORMONE EFFECT

DOUBLE-ANTIBODY RADIOIMMUNOASSAY OF SERUM INSULIN: EFFECT OF USE OF HORMONE-DEPLETED HUMAN SERUM. Silbert CK, Sawin CT *Clin Chem* 21: 1520-2, Sep 75 (Eng)

DEPRESSION

INHERITED DEPRESSION OF ARTERIAL LIPOAMIDE DEHYDROGENASE ACTIVITY ASSOCIATED WITH SUSCEPTIBILITY TO

ATHEROSCLEROSIS IN PIGEONS. Zemplenyi T, Blankenhorn DH, Rosenstein AJ *Circ Res* 36: 640-6, May 75 (Eng)

[PROCEEDINGS: ONE NIGHT SLEEP DEPRIVATION IN DEPRESSION AND CIRCADIAN RHYTHM IN BLOOD CORTISOL LEVEL] Yamaguchi N, Maeda K, Yoshimoto N, Sakamoto N, Miyazaki R *Folia Endocrinol Jpn* 50: 333, 20 Feb 74 (Jpn)

[PROCEEDINGS: EFFECT OF TRH ON PITUITARY HORMONE, ESPECIALLY GROWTH HORMONE SECRETION, IN DEPRESSION] Maeda K, Yamaguchi N, Kato Y, Chihara K, Taigo K *Folia Endocrinol Jpn* 50: 267, 20 Feb 74 (Jpn)

HUMAN GROWTH HORMONE RESPONSE TO LEVODOPA. RELATION TO MENOPAUSE, DEPRESSION, AND PLASMA DOPA CONCENTRATION. Sachar EJ, Altman N, Gruen PH, Glassman A, Halpern FS, Sassin J *Arch Gen Psychiatry* 32: 502-3, Apr 75 (Eng)

DESTRUCTION, BILATERAL

HYPERDIPSIA INDUCED BY BILATERAL DESTRUCTION OF THE LOCUS COERULEUS IN RATS. Osumi Y, Oishi R, Fujiwara H, Takaori S *Brain Res* 86: 419-27, 28 Mar 75 (Eng)

DEXAMETHASONE

ALTERED HYPOTHALAMIC-PITUITARY-ADRENAL RESPONSIVENESS TO DEXAMETHASONE-INSULIN TOLERANCE TEST IN ACTIVE ACROMEGALY. Hofeldt FD, Levin SR, Von Werder K, Becker N, Schneider V, Hane S, Seymour R, Adams JE, Forsham PH *J Clin Endocrinol Metab* 41: 399-401, Aug 75 (Eng)

DIABETES

EDITORIAL: RENAL TRANSPLANTATION IN DIABETES. Anonymous *Br Med J* 3: 397, 16 Aug 75 (Eng)

LETTER: ORAL AGENTS FOR DIABETES. Fisher AM *Can Med Assoc J* 113: 364, 6 Sep 75 (Eng)

[EFFECT OF INSULIN AND DIABETES ON NON-ESTERIFIED FATTY ACID PLASMA LEVELS IN FETUS AND NEWBORN RAT] Picon L, Irondeille MM, Prudont G *C R Acad Sci [D] (Paris)* 279: 2067-9, 23 Dec 74 (Fre)

ERYTHROCYTE 2,3-DIPHOSPHOGLYCERATE AS RELATED TO DIABETES AND OBESITY. Kalofoutis A, Jullien G, Koutselinis A, Miras C *Clin Chem* 21: 1414-5, Sep 75 (Eng)

[LETTER: SYMPLECTOMY IN DIABETES] Waibel P *Dtsch Med Wochenschr* 100: 2058, 3 Oct 75 (Ger)

DECREASE IN MYELIN CONTENT OF RABBIT SCIATIC NERVE WITH AGING AND DIABETES. Spritz N, Singh H, Marinar B *Diabetes* 24: 680-3, Jul 75 (Eng)

[EARLY DIAGNOSIS OF DIABETES IN TUBERCULOSIS] Trpenov I *God Zb Med Fak Skopje* 17: 703-8, 1971 (Ser)

METABOLIC RHYTHMS IN NORMAL AND DIABETIC MAN. STUDIES IN INSULIN-TREATED DIABETES. Alberti KG, Dornhorst A, Rowe AS *Isr J Med Sci* 11: 571-80, Jun 75 (Eng)

SYMPOSIUM II: FETOMATERNAL UNIT IN DIABETES. CLINICAL AND EXPERIMENTAL ASPECTS. FUNCTION OF THE FETAL ENDOCRINE PANCREAS. Asplund K, Andersson A, Jarrouse C, Hellerstrom C *Isr J Med Sci* 11: 581-90, Jun 75 (Eng) [50]

DIABETES AND ANTENATAL FETAL DEATH. Salzberger M, Liban E *Isr J Med Sci* 11: 623-8, Jun 75 (Eng)

Diabetes Literature—Keyword Index

DIABETIC

SIGNIFICANCE OF THE ORAL GLUCOSE TOLERANCE TEST PERFORMED ON THE THIRD DAY AFTER DELIVERY FOR THE DIAGNOSIS OF DIABETES IN PREGNANCY. Salzberger M, Sharon A, Liban E *Isr J Med Sci* 11: 629-31, Jun 75 (Eng)

DEFECTIVE INSULIN SECRETION IN THE SPINY MOUSE (*ACOMYS CAHIRINUS*). POSSIBLE VALUE IN THE STUDY OF THE PATHOPHYSIOLOGY OF DIABETES. Rabinovitch A, Gutzeit A, Grill V, Kikuchi M, Renold AE, Cerasi E *Isr J Med Sci* 11: 730-7, Jul 75 (Eng)

DIABETES AND THE SURVIVAL AND RECOVERY OF THE ANOXIC MYOCARDIUM. Hearse DJ, Stewart DA, Chain EB *J Mol Cell Cardiol* 7: 397-415, Jun 75 (Eng)

[FLUORESCIN ANGIOGRAPHY OF THE IRIS IN DIABETES] Kodejszko J, Kornacki B *Klin Oczna* 45: 973-5, Sep 75 (Pol)

LETTER: GLYCEROL, CEREBRAL OEDEMA, AND DIABETES. Hurwitz BJ, Rottenberg DA *Lancet* 2: 369, 23 Aug 75 (Eng)

LETTER: CLINICAL ASPECTS OF MONOCOMPONENT INSULIN IN DIABETES. Vinik AI, Jackson WP *Lancet* 2: 5488, 20 Sep 75 (Eng)

[BENIGN DIABETES IN CHILDREN (AUTHORS TRANSL)] Otto-Buczowska E, Kokot F, Kuska J *Przegl Lek* 32: 641-6, 1975 (Pol)

[PREDIABETIC STATE, DIABETES AND ARTERIOSCLEROSIS] Efendic S, Milentijevic G, Luft R *Srp Arh Celok Lek* 103: 249-55, Apr 75 (Ser)

[PROBLEM OF MYOCARDIAL INFARCT IN PATIENTS WITH DIABETES] Panos J, Pejchl S *Vnitř Lek* 21: 778-83, Aug 75 (Cze)

[CASE OF CHRONIC BRUCELLOSIS ASSOCIATED WITH DIABETES AND ARTERIAL HYPERTENSION] Wojtowicz H *Wiad Lek* 28: 15 Aug 75 (Pol)

EFFECTS OF ALLOXAN DIABETES AND INSULIN ON MORPHOLOGY AND CERTAIN FUNCTIONAL ACTIVITIES OF MITOCHONDRIA OF THE RAT LIVER AND HEART. Marinari UM, Monacelli R, Cottalasso D, Novelli A *Acta Diabetol Lat* 11: 296-314, Jul-Aug 74 (Eng)

DIABETES AND THE HEART. Scott RC *Am Heart J* 90: 283-9, Sep 75 (Eng) [183]

DIABETES IN ADOLESCENCE. Guthrie DW, Guthrie RA *Am J Nurs* 75: 1740-4, Oct 75 (Eng)

DIABETES, BENIGN

[BENIGN DIABETES IN CHILDREN (AUTHORS TRANSL)] Otto-Buczowska E, Kokot F, Kuska J *Przegl Lek* 32: 641-6, 1975 (Pol)

DIABETES CONTROL

[PREVENTION OF DIABETIC ANGIOPATHY OR REVISION OF THE CONCEPT OF CONTROL AND COMPENSATION OF DIABETES AND OF ITS PRACTICAL MANAGEMENT] Scapellato L *Boll Soc Ital Cardiol* 19: 731-8, 1974 (Ita)

DIABETES DURATION

THE EFFECT OF AGE AND THE DURATION OF DIABETES MELLITUS ON THE WIDTH OF THE BASEMENT MEMBRANE OF SMALL VESSELS. Campbell MJ *Aust Dent J* 19: 414-9, Dec 74 (Eng)

DIABETES, EXPERIMENTAL

OBSERVATIONS ON SODIUM RETENTION RELATED TO INSULIN TREATMENT OF EXPERIMENTAL DIABETES. Blumenthal SA *Diabetes* 24: 645-9, Jul 75 (Eng)

LONG TERM STUDIES OF PANCREAS TRANSPLANTATION IN EXPERIMENTAL DIABETES MELLITUS. Orloff MJ, Lee S, Charaters AC 3d, Grambort DE, Storck LG, Knox D *Ann Surg* 182: 198-206, Sep 75 (Eng)

DIABETES EXPERT

SUBSTANTIAL DIFFERENCES IN THE DIAGNOSTIC CRITERIA USED BY DIABETES EXPERTS. West KM *Diabetes* 24: 641-4, Jul 75 (Eng)

DIABETES INSIPIDUS

[THE OCCURRENCE OF DIABETES MELLITUS, DIABETES INSIPIDUS, OPTIC ATROPHY AND NEUROGENIC DEAFNESS IN ONE PATIENT (AUTHORS TRANSL)] Foerster K, Spranger J, Beyer J, Regli F *J Neurol* 210: 71-6, 4 Aug 75 (Ger)

LETTER: CHLORPROPAMIDE POISONING AND DIABETES INSIPIDUS. De Troyer A, Ectors M, Hubert JP *Lancet* 2: 514, 13 Sep 75 (Eng)

DIABETES, JUVENILE

INSULIN-LIKE INSULINASE-RESISTANT MATERIAL, DISTINGUISHABLE FROM NORMAL INSULIN, IN JUVENILE DIABETES. Crossley JR, Elliott RB *Diabetes* 24: 609-17, Jul 75 (Eng)

PLASMA RENIN ACTIVITY IN JUVENILE DIABETES MELLITUS AND EFFECT OF DIAZOXIDE. Gossain VV, Werk EE, Sholiton LJ, Srivastava L, Knowles HC Jr *Diabetes* 24: 833-5, Sep 75 (Eng)

FACTITIAL PANNICULITIS AND NECROTIZING FASCITIS IN JUVENILE DIABETES. Oh C, Ginsberg-Fellner F, Dolger H *Diabetes* 24: 856-8, Sep 75 (Eng)

MANAGEMENT OF JUVENILE DIABETES MELLITUS. Chaney C, Elders MJ *J Arkansas Med Soc* 72: 111-27, Aug 75 (Eng) [50]

[PSYCHODIAGNOSIS OF JUVENILE DIABETES IN THE INITIAL PHASE] Bruni B, Bruni Bocher K, Bossi L, Fenoglio I, Tonso F *Ann Osp Maria Vittoria Torino* 17: 49-100, Jan-Jun 74 (Ita)

DIABETES, LIPOATROPHIC

[GENERALIZED LIPODYSTROPHY (LIPOATROPHIC DIABETES) WITH DIABETIC ANGIOPATHY] Tenczynski L, Snarski A *Endokrynol Pol* 26: 239-46, May-Jun 75 (Pol)

[LIPOATROPHIC DIABETES. REPORT OF A CASE (AUTHORS TRANSL)] Zollner N, Dorfner H, Wolfram G *Munch Med Wochenschr* 117: 1209-14, 18 Jul 75 (Ger)

DIABETES LOCUS

SYMPOSIUM IV: DIABETIC SYNDROME IN ANIMALS. INFLUENCE OF GENETIC BACKGROUND ON THE EXPRESSION OF MUTATIONS AT THE DIABETES LOCUS IN THE MOUSE. II. STUDIES ON BACKGROUND MODIFIERS. Coleman DL, Hummel KP *Isr J Med Sci* 11: 708-13, Jul 75 (Eng)

DIABETES MANAGEMENT

[PREVENTION OF DIABETIC ANGIOPATHY OR REVISION OF THE CONCEPT OF CONTROL AND COMPENSATION OF DIABETES AND OF ITS PRACTICAL MANAGEMENT] Scapellato L *Boll Soc Ital Cardiol* 19: 731-8, 1974 (Ita)

DIABETES MELLITUS, BRITTLE

INTERACTION OF ENDOGENOUS GROWTH HORMONE, CORTISOL, AND CATECHOLAMINES WITH BLOOD GLUCOSE IN CHILDREN WITH BRITTLE DIABETES MELLITUS. Bruck E, MacGillivray MH *Pediatr Res* 9: 535-41, Jun 75 (Eng)

DIABETES MELLITUS, HUMAN

RENAL SUBSTRATE EXCHANGE IN HUMAN DIABETES MELLITUS. Wahren J, Felig P *Diabetes* 24: 730-4, Aug 75 (Eng)

DIABETES MELLITUS, LONG-STANDING

MARKED HYPERTHERMIA AS A MANIFESTATION OF HYPOGLYCEMIA IN LONG-STANDING DIABETES MELLITUS. Chochinov R, Daughaday WH *Diabetes* 24: 859-60, Sep 75 (Eng)

DIABETES, SPONTANEOUS

FEEDING BEHAVIOR IN MONKEYS WITH SPONTANEOUS DIABETES MELLITUS. Hamilton CL, Lewis D *J Med Primatol* 4: 145-53, 1975 (Eng)

DIABETES, SUCROSE INDUCED

COMPARATIVE STUDY OF THE PATHOLOGY OF SUCROSE-INDUCED DIABETES IN THE RAT AND ADULT-ONSET DIABETES IN MAN. Rosenmann E, Yanko L, Cohen AM *Isr J Med Sci* 11: 753-61, Jul 75 (Eng)

DIABETES THERAPY

[MODERN THERAPY OF DIABETES MELLITUS IN OBESE PATIENTS] Liashko KLa, Severova TM, Peregodov Ala, Sergeev OI *Sov Med* 106-10, Jun 75 (Rus)

DIABETIC

[HYPERLIPEMIAS IN DIABETICS] Mirouze J, Carty ME *Coeur Med Interne* 13: 613-26, Oct-Dec 74 (Fre)

RED CELL 2, 3-DIPHOSPHOGLYCERATE LEVELS AMONG DIABETIC PATIENTS WITH AND WITHOUT VASCULAR COMPLICATIONS. Kanter Y, Bessman SP, Bessman A *Diabetes* 24: 724-9, Aug 75 (Eng)

SYMPOSIUM I: HORMONE-FUEL INTERACTIONS IN NORMAL AND DIABETIC MAN. THE LIVER AS SITE OF INSULIN AND GLUCAGON ACTION IN NORMAL, DIABETIC AND OBESE HUMANS. Felig P, Wahren J *Isr J Med Sci* 11: 528-39, Jun 75 (Eng) [55]

GLUCOSE AND FREE FATTY ACID UTILIZATION IN EXERCISE. STUDIES IN NORMAL AND DIABETIC MAN. Wahren J, Hagenfeldt L, Felig P *Isr J Med Sci* 11: 551-9, Jun 75 (Eng)

METABOLIC RHYTHMS IN NORMAL AND DIABETIC MAN. STUDIES IN INSULIN-TREATED DIABETES. Alberti KG, Dornhorst A, Rowe AS *Isr J Med Sci* 11: 571-80, Jun 75 (Eng)

SOCIAL AND PSYCHOLOGICAL REHABILITATION OF THE DIABETIC TRANSPLANT PATIENT. Simmons RG, Schilling KJ *Kidney Int [Suppl]* 152-8, Oct 74 (Eng)

[DEFINITION AND PATHOPHYSIOLOGY OF DIABETIC AND NON-DIABETIC HYPERLIPOPROTEINEMIAS] Jahnke K *Med Welt* 26: 1586-9, 5 Sep 75 (Ger)

[EVALUATION OF WORK CAPACITY IN DIABETICS] Frenkel J, Berber S *Med Pregl* 28: 263-7, 1975 (Ser)

Diabetes Literature—Keyword Index

DIABETIC MOTHER

- [DIABETIC GASTROPARESIS AND DIABETIC DIARRHEA] Forgacs S *Orv Hetil* 116: 2049-53, 31 Aug 75 (Hun)
- [LIVER BIOPSY IN DIABETICS] Preszczynski M, Torzecki Z, Torzecka W, Mroszczyk M *Pol Tyg Lek* 30: 1355-6, 18 Aug 75 (Pol)
- [SURVEILLANCE OF THE DIABETIC] Moinade S, Eskenazi F *Sem Hop Ther* 51: 37-40, Jan 75 (Fre)
- [BLOOD GLUCOSE AND IMMUNOREACTIVE INSULIN IN CHILDREN WITH DIABETIC SIBLINGS AND DIABETIC MOTHERS (AUTHORS TRANSL)] Waldhausl W, Rosenkranz A, Dudczak R *Z Kinderheilkd* 120: 59-68, 1 Jul 75 (Ger)
- [HAEMOCHELCYST INDUCED BY GAN- GRENOUS CHOLECYSTITIS IN A DIABETIC (AUTHORS TRANSL)] Rouby J, Mahieu F, Staquet JP, Bataille JP, Lederer J *Acta Gastroenterol Belg* 38: 237-41, May-Jun 75 (Fre)
- [THE DIABETIC ATONIC ENLARGED BLADDER] Genin R *Acta Urol Belg* 43: 101-6, Jan 75 (Fre)

DIABETIC MOTHER

- [EDITORIAL: CHILDREN OF DIABETIC MOTHERS] Weitz R, Laron Z *Harefuah* 88: 584-5, 15 Jun 75 (Heb)
- [DIGITO-PALMAR DERMATOGlyphics OF THE CHILD BORN TO A DIABETIC MOTHER] Leblanc-Pieraert C, Walbaum R, Fontaine G *Lille Med* 20: 188-97, Mar 75 (Fre)
- [BLOOD GLUCOSE AND IMMUNOREACTIVE INSULIN IN CHILDREN WITH DIABETIC SIBLINGS AND DIABETIC MOTHERS (AUTHORS TRANSL)] Waldhausl W, Rosenkranz A, Dudczak R *Z Kinderheilkd* 120: 59-68, 1 Jul 75 (Ger)

DIABETIC PATIENT

- [THE SPERMIOGRAMS OF DIABETIC AND NONDIABETIC PATIENTS WITH DISTURBANCES OF POTENCY (AUTHORS TRANSL)] Bartak V, Josifko M *Cas Lek Cesk* 114: 724-5, 13 Jun 75 (Cze)
- [HYPERLIPIDEMIA AND HYPERLIPOPROTEINEMIA AMONG THE RELATIVES OF DIABETIC PATIENTS] Valek J, Grafnetter D, Slabochova Z, Platilova H *Cas Lek Cesk* 114: 837-40, 4 Jul 75 (Cze)
- [PHENFORMIN-INDUCED LACTIC ACIDOSIS IN DIABETIC PATIENTS. Assan R, Heuclin C, Girard JR, LeMaire F, Attali JR *Diabetes* 24: 791-800, Sep 75 (Eng)
- [LOSS OF CONSCIOUSNESS IN A DIABETIC PATIENT] Shakkai M, Pinchas I, De-Vries A *Harefuah* 88: 536, 1 Jun 75 (Heb)
- [ACUTE-PHASE INSULIN SECRETION AND GLUCOSE TOLERANCE IN YOUNG AND AGED NORMAL MEN AND DIABETIC PATIENTS. Palmer JP, Ensinek JW *J Clin Endocrinol Metab* 41: 498-503, Sep 75 (Eng)
- [SURGICAL ASPECTS OF TRANSPLANTATION IN DIABETIC PATIENTS. Simmons RL, Kjellstrand CM, Kyriakides GK, Rattazzi LC, Spanos PK, Casali R, Najarian JS *Kidney Int* [Suppl] 129-32, Oct 74 (Eng)
- [MAGNITUDE OF THE RENAL FAILURE PROBLEM IN DIABETIC PATIENTS. Knowles HC Jr *Kidney Int* [Suppl] 2-7, Oct 74 (Eng) [34]
- [NEUROPATHY, RETINOPATHY AND BIOPSY FINDINGS IN TRANSPLANTED KIDNEY IN DIABETIC PATIENTS. Barbosa J, Burke B, Buselmeier TJ, Carpenter AM, Goetz FC, Harris J, Kennedy WR, Kjellstrand CM, Michael AF, Najarian JS, Recker L *Kidney Int* [Suppl] 32-6, Oct 74 (Eng)

AORTO-CORONARY BYPASS IN THE DIABETIC PATIENT. Draskoczy SP, Leland OS, Bradley RF *Kidney Int* [Suppl] 37-40, Oct 74 (Eng)

METABOLIC PROBLEMS IN DIABETIC PATIENTS UNDERGOING RENAL TRANSPLANTATION. Palumbo PJ, Woods JE, Johnson WJ, Service FJ *Kidney Int* [Suppl] 58-62, Oct 74 (Eng)

NEUROPATHY IN TRANSPLANTED DIABETIC PATIENTS. Wilson RE, Goldman MH, Yen MC, Kassissieh SD, Strom T, Kahn CB *Kidney Int* [Suppl] 90-4, Oct 74 (Eng)

CONTROL OF DIABETIC PATIENTS: COMPARISON OF INFORMATION OBTAINED FROM FASTING BLOOD SUGAR LEVEL AND THE GLYCEMIC CYCLE. Mejean L, Drouin P, Martin JM, Debry G *Acta Diabetol Lat* 11: 340-6, Jul-Aug 74 (Eng)

COMPARISON OF THE CAPILLARY BASAL LAMINA WIDTH IN MARGINAL GINGIVA OF DIABETIC AND NON-DIABETIC PATIENTS. Ketcham B, Cobb CM, Denys FR *Ala J Med Sci* 12: 295-301, Jul 75 (Eng)

DIABETIC PREGNANCY

TREATMENT OF DIABETIC PREGNANCY. Persson B *Isr J Med Sci* 11: 609-16, Jun 75 (Eng)

DIABETIC RAT

EXTRACTION OF D-BETA-HYDROXYBUTYRATE BY BRAIN IN DIABETIC RATS. Openshaw H, Diamond I *Arch Neurol* 32: 640-1, Sep 75 (Eng)

DIABETIC SUBJECT

ANTIGENICITY OF MONOCOMPONENT PORK INSULIN IN DIABETIC SUBJECTS. Yue DK, Turtle JR *Diabetes* 24: 625-32, Jul 75 (Eng)

EFFECT OF GLUCOSE ON THE GROWTH HORMONE RESPONSE TO L-DOPA IN NORMAL AND DIABETIC SUBJECTS. Ajlouni K, Martinson DR, Hagen TC *Diabetes* 24: 633-6, Jul 75 (Eng)

KETONE BODY METABOLISM IN NORMAL, OBESE AND DIABETIC SUBJECTS. Owen OE, Reichard GA Jr *Isr J Med Sci* 11: 560-70, Jun 75 (Eng)

DIABETIC THERAPY

[TWENTY YEARS OF ORAL DIABETIC THERAPY (AUTHORS TRANSL)] Mehnert H, Dietze G, Haslbeck *Munch Med Wochenschr* 117: 1221-8, 18 Jul 75 (Ger)

DIABETIC WOMAN

CARBOHYDRATE METABOLISM IN PREGNANCY. PART I. DIURNAL PLASMA GLUCOSE PROFILE IN NORMAL AND DIABETIC WOMEN. Gillmer MD, Beard RW, Brooke FM, Oakley NW *Br Med J* 3: 399-402, 16 Aug 75 (Eng)

DIABETOGENIC ACTIVITY

[STUDIES ON THE MECHANISM OF THE DIABETOGENIC ACTIVITY OF STREPTOZOTOCIN AND ON THE ABILITY OF COMPOUNDS TO BLOCK THE DIABETOGENIC ACTIVITY OF STREPTOZOTOCIN (AUTHORS TRANSL)] Doi K *Folia Endocrinol Jpn* 51: 129-47, 20 Mar 75 (Jpn)

DIABETOGENIC AGENT

AGE-DEPENDENT CHANGES IN THE SENSITIVITY OF THE RAT TO A DIABETOGENIC AGENT (STREPTOZOTOCIN). Masiello P, De Paoli A, Bergamini E *Endocrinology* 96: 787-9, Mar 75 (Eng)

DIABETOLOGY

[PRACTICAL POSTGRADUATE COURSE IN DIABETOLOGY (AUTHORS TRANSL)] Berger W *Praxis* 64: 626-31, 20 May 75 (Ger)

[PRACTICAL POSTGRADUATE COURSE IN DIABETOLOGY (AUTHORS TRANSL)] Berger W *Praxis* 64: 735-7, 10 Jun 75 (Ger)

DIACYLGLYCEROL

FREE FATTY ACIDS, DIACYL- AND TRIACYLGLYCEROLS AND TOTAL PHOSPHOLIPIDS IN VERTEBRATE RETINA: COMPARISON WITH BRAIN, CHOROID AND PLASMA. Avelandano MI, Bazan NG *J Neurochem* 23: 1127-35, Dec 74 (Eng)

DIAGNOSIS, EARLY

[EARLY DIAGNOSIS OF DIABETES IN TUBERCULOSIS] Trpenov I *God Zb Med Fak Skopje* 17: 703-8, 1971 (Ser)

DIAGNOSTIC CRITERIA

SUBSTANTIAL DIFFERENCES IN THE DIAGNOSTIC CRITERIA USED BY DIABETES EXPERTS. West KM *Diabetes* 24: 641-4, Jul 75 (Eng)

DIALYSIS

MAINTENANCE DIALYSIS FOR DIABETIC NEPHROPATHY WITH UREMIA. Huang C, del Greco F, Ivanovich P, Krumlovsky FA, Roguska J, Simon NM, Hano J *J Chronic Dis* 28: 365-74, Aug 75 (Eng)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: TECHNICAL ASPECTS OF DIALYSIS. Anonymous *Kidney Int* [Suppl] 115-28, Oct 74 (Eng)

ENDOCRINOLOGY AND METABOLISM IN UREMIA AND DIALYSIS: A CLINICAL REVIEW. Feldman HA, Singer I *Medicine (Baltimore)* 54: 345-76, Sep 75 (Eng)

[RELATIONSHIP BETWEEN UREMIA POLYNEUROPATHY, UREMIC GLUCOSE METABOLISM DISORDER AND SEVERITY OF UREMIC INTOXICATION IN DIALYSIS PATIENTS] Goubeaud G, Kunze K, Hohmann KH, Schutterler G, Biro G *Verh Dtsch Ges Inn Med* 80: 728-31, 1974 (Ger)

DIALYZED PATIENT

PSYCHOSOCIAL PROBLEMS IN DIALYZED DIABETIC PATIENTS. Comty CM, Leonard A, Shapiro FL *Kidney Int* [Suppl] 144-51, Oct 74 (Eng)

VISUAL AND VASCULAR PROBLEMS IN DIALYZED DIABETIC PATIENTS. Blagg CR *Kidney Int* [Suppl] 27-31, Oct 74 (Eng)

NUTRITIONAL AND METABOLIC PROBLEMS IN THE DIALYZED PATIENT WITH DIABETES MELLITUS. Comty CM, Leonard A, Shapiro FL *Kidney Int* [Suppl] 51-7, Oct 74 (Eng)

MORTALITY, MORBIDITY AND REHABILITATION RESULTS IN REGULARLY DIALYZED PATIENTS WITH DIABETES MELLITUS. Shapiro FL, Leonard A, Comty CM *Kidney Int* [Suppl] 8-14, Oct 74 (Eng)

Diabetes Literature—Keyword Index

NEUROPATHY IN DIALYZED DIABETIC PATIENTS. Blagg CR, Tenckhoff H, Scribner BH *Kidney Int [Suppl]* 86-9, Oct 74 (Eng)

DIAMIDE EFFECT

THE EFFECT OF DIAMIDE AND GLUTATHIONE ON THE UPTAKE OF ALPHAMETHYL-D-GLUCOSIDE BY SLICES OF RAT KIDNEY CORTEX. Pillion DJ, Leibach FH *Biochim Biophys Acta* 382: 246-52, 13 Mar 75 (Eng)

DIAPHRAGM DISSOCIATION

PROTEIN SYNTHESIS AND AMINO ACID ACCUMULATION DURING DEVELOPMENT IN THE RAT: DISSOCIATION OF DIAPHRAGM AND HEART MUSCLE SENSITIVITY TO INSULIN. Asplund K *Horm Res* 6: 12-9, 1975 (Eng)

DIARRHEA, DIABETIC

[DIABETIC GASTROPARESIS AND DIABETIC DIARRHEA] Forgacs S *Orv Hetil* 116: 2049-53, 31 Aug 75 (Hun)

DIAZOXIDE

[DIAZOXIDE: NEW WAY IN TREATMENT OF HYPERTENSION] Wijdeveld P, Koene R *Ned Tijdschr Geneesk* 119: 421-30, 15 Mar 75 (Dut)

DIAZOXIDE EFFECT

PLASMA RENIN ACTIVITY IN JUVENILE DIABETES MELLITUS AND EFFECT OF DIAZOXIDE. Gossain VV, Werk EE, Sholiton LJ, Srivastava L, Knowles HC Jr *Diabetes* 24: 833-5, Sep 75 (Eng)

DIBUTYRYL ADENOSINE-3,5-CYCLIC MONOPHOSPHATE

HORMONAL REGULATION OF INCORPORATION OF ALANINE-U-14C INTO GLUCOSE IN HUMAN FETAL LIVER EXPLANTS. EFFECT OF DIBUTYRYL CYCLIC AMP, GLUCAGON, INSULIN, AND TRIAMCINOLONE. Schwartz AL, Rall TW *Diabetes* 24: 650-7, Jul 75 (Eng)

EFFECT OF DIBUTYRYL CYCLIC AMP ON THE RELEASE OF MELANOCYTE-STIMULATING HORMONE FROM RAT NEUROINTERMEDIATE LOBES IN VITRO. Baker RI *J Endocrinol* 63: 533-8, Dec 74 (Eng)

DIBUTYRYL DERIVATIVE

EFFECTS OF CYCLIC ADENOSINE 3,5-MONOPHOSPHATE AND ITS DIBUTYRYL DERIVATIVES ON CATECHOLAMINE SYNTHESIS IN BOVINE ADRENAL MEDULLARY SLICES. Oka M, Izumi F *FEBS Lett* 51: 253-6, 1 Mar 75 (Eng)

DIENCEPHALON-PITUITARY-ADRENAL SYSTEM

[PROCEEDINGS: DIENCEPHALON-PITUITARY-ADRENAL SYSTEM AND CYCLIC AMP] Makino E, Matsushima Y, Masaka M, Yamamoto M, Kumagai A *Folia Endocrinol Jpn* 50: 469, 20 Feb 74 (Jpn)

DIET

[INFLUENCE OF DIET, CORTISONE AND INSULIN ON VARIATIONS IN ENZYME ACTIVITY OF PYRUVATE CARBOXYLASE (EC 6.4.1.1) AND PHOSPHOENOLPYRUVATE CARBOXYKINASE (EC 4.1.1.32) IN RAT LIVER] Peret J, Chanez M *C R Acad Sci [D]* (Paris) 279: 2095-8, 23 Dec 74 (Fre)

[LETTER: RESTRICTION OF FAT OR CARBOHYDRATES IN REDUCING DIET] Mehnert H *Med Klin* 70: 488, 14 Mar 75 (Ger)

[METABOLIC RESPONSE TO NEW LIPID-LOWERING DIET (AUTHORS TRANSL)] Valek J, Kuhn E, Pecchar J, Storkova H *Cas Lek Cesk* 113: 647-50, 31 May 74 (Cze)

[VITAMIN A AND BIOLOGICAL MEMBRANES. IV. CHANGES INDUCED BY A VITAMIN A DEFICIENT DIET IN THE FATTY ACID COMPOSITION OF THE STROMA OF ALBINO RAT ERYTHROCYTES] Carhini L, Dazzi E, Padalino A *Acta Vitaminol Enzymol (Milano)* 28: 199-202, 1974 (Ita)

DIET, ATHEROGENIC

[NN-DIMETHYLBIGUANIDE ATTENUATES THE LIPID DISORDERS OF RATS ON AN ATHEROGENIC DIET] Esteve B, Marquie G, Agid R *C R Acad Sci [D]* (Paris) 280: 2465-8, 2 Jun 75 (Fre)

DEVELOPMENT OF HYPERBETALIPOPROTEINEMIA IN PIGS FED ATHEROGENIC DIET. Hill EG, Silbernack CL *Lipids* 10: 41-3, Jan 75 (Eng)

[THE INFLUENCE OF ATHEROGENIC DIET AND COUMARIN ON THE ACCUMULATION OF TOTAL FATS AND CHOLESTEROL IN THE COMBS OF COCKS (AUTHORS TRANSL)] Rucinski T, Kadziolka A, Ziolo T *Ann Univ Mariae Curie Sklodowska [Med]* 27: 115-22, 1972 (Pol)

[THE INFLUENCE OF COUMARIN ON THE FAT OF PLASMA OF COCKS FED ON AN ATHEROGENIC DIET (AUTHORS TRANSL)] Kadziolka A, Patyra S, Rucinski T, Kostarz T *Ann Univ Mariae Curie Sklodowska [Med]* 27: 123-9, 1972 (Pol)

DIET, CARBOHYDRATE-FREE

EFFECTS OF CARBOHYDRATE-FREE DIETS ON THE INSULIN-CARBOHYDRATE RELATIONSHIPS IN RATS. Carmel N, Konijn AM, Kaufman NA, Guggenheim K *J Nutr* 105: 1141-9, Sep 75 (Eng)

DIET COMPOSITION

COMPOSITION OF DIETS CONTAINING 25 AND 35 PER CENT CALORIES FROM FAT. ANALYZED VS. CALCULATED VALUES. Marshall MW, Iacono JM, Young CW Jr, Washington VA, Slover HT, Leapey PM *J Am Diet Assoc* 66: 470-81, May 75 (Eng)

DIET EFFECT

PLASMA LIPID LEVELS IN DIABETIC CHILDREN. EFFECT OF DIET RESTRICTED IN CHOLESTEROL AND SATURATED FATS. Kaufmann RL, Assal JPH, Soeldner JS, Wilmschurst EG, Lemaire JR, Gleason RE, White P *Diabetes* 24: 672-9, Jul 75 (Eng)

EFFECTS OF DIET AND EXERCISE ON CATECHOLAMINE EXCRETION. Sonka J, Kopecka J, Pavlova A, Zbirikova A, Stas J *Horm Metab Res* 6: 532, Nov 74 (Eng)

DIET, FAT MODIFIED

EFFECTS OF CLOFIBRATE AND A FAT-MODIFIED DIET ON SERUM LIPIDS. Brown HB, Lewis LA, Page IH *Clin Pharmacol Ther* 17: 171-8, Feb 75 (Eng)

DIET, HIGH CARBOHYDRATE

PROCEEDINGS: THE EFFECT OF A HIGH-CARBOHYDRATE DIET ON SKIN LIPOGENESIS IN THE RAT. Rebello T, Mac-

donald I *Proc Nutr Soc* 33: 52a-53a, Sep 74 (Eng)

DIET, ROUGHAGE

APPETITE AND INSULIN-METABOLITE HARMONY IN PORTAL BLOOD OR SHEEP FED HIGH OR LOW ROUGHAGE DIET WITH OR WITHOUT INTRARUMINAL INFUSION OF VFA. Bhattacharya AN, Alulu M *J Anim Sci* 41: 225-33, Jul 75 (Eng)

EFFECTS UPON GLUCOSE METABOLISM OF FEEDING A LOW- OR HIGH-ROUGHAGE DIET AT TWO LEVELS OF INTAKE TO SHEEP. Evans E, Buchanan-Smith JG *Br J Nutr* 33: 33-44, Jan 75 (Eng)

DIET THERAPY

[DIABETES MELLITUS—PATHOGENESIS AND DIET THERAPY AS A BASIS FOR TREATMENT] Schoffing K *Med Welt* 26: 1567-71, 5 Sep 75 (Ger)

DIETARY CARBOHYDRATE

[DISCUSSION ON PARENTERAL ADMINISTRATION OF DIETARY CARBOHYDRATES] Anonymous *Infusionstherapie* 1: 578-80, Oct 74 (Ger)

DIETARY EFFECT

THE EFFECT OF DIETARY LIPIDS ON LIPOLYSIS IN RAT ADIPOSE TISSUE. Larking PW, Nye ER *Br J Nutr* 33: 291-7, Mar 75 (Eng)

DIETARY FIBER

DIETARY-FIBER HYPOTHESIS OF THE ETIOLOGY OF DIABETES MELLITUS. Trowell HC *Diabetes* 24: 762-5, Aug 75 (Eng)

DIETARY PATTERN

LONGITUDINAL STUDY OF AGE AND COHORT INFLUENCES ON DIETARY PATTERNS. Garcia PA, Battese GE, Brewer WD *J Gerontol* 30: 349-56, May 75 (Eng)

DIETARY SUCROSE

DIETARY SUCROSE IN RELATION TO THE DEVELOPMENT OF ISCHEMIC HEART DISEASE. Opie LH *Am Heart J* 89: 674-5, May 75 (Eng)

DIFFUSION, LATERAL

A MODEL OF LATERAL DIFFUSION IN PHOSPHATIDE BILAYERS AND NATURAL MEMBRANES. Tinker DO *Chem Phys Lipids* 14: 33-40, Feb 75 (Eng)

DIFFUSION PERFUSION INTERACTION

THE INTERACTION OF DIFFUSION AND PERFUSION IN HOMOGENEOUS TISSUE. Hennessy TR *Bull Math Biol* 36: 505-26, Oct-Dec 74 (Eng)

DIGESTION

PHARYNGEAL LIPASE AND DIGESTION OF DIETARY TRIGLYCERIDE IN MAN. Hamosh M, Klaeveman HL, Wolf RO, Scow RO *J Clin Invest* 55: 908-13, May 75 (Eng)

CATECHOLAMINE STIMULATED MYOCARDIAL ADENYLATE CYCLASE: EFFECTS OF PHOSPHOLIPASE DIGESTION AND THE ROLE OF MEMBRANE LIPIDS. Lefkowitz RJ *J Mol Cell Cardiol* 7: 27-37, Jan 75 (Eng)

Diabetes Literature—Keyword Index

DIGITO-PALMAR DERMATOGLYPHIC

ISOLATION AND BIOLOGICAL CHARACTERIZATION OF FRAGMENTS OF HUMAN GROWTH HORMONE PRODUCED BY DIGESTION WITH PLASMIN. Reagan CR, Mills JB, Kostyo JL, Wilhelmi AE *Endocrinology* 96: 625-36, Mar 75 (Eng)

DIGITO-PALMAR DERMATOGLYPHIC

[DIGITO-PALMAR DERMATOGLYPHICS OF THE CHILD BORN TO A DIABETIC MOTHER] Leblanc-Pieraert C, Walbaum R, Fontaine G *Lille Med* 20: 188-97, Mar 75 (Fre)

L-3,4-DIHYDROXYPHENYLALANINE

EFFECT OF GLUCOSE ON THE GROWTH HORMONE RESPONSE TO L-DOPA IN NORMAL AND DIABETIC SUBJECTS. Ajjouni K, Martinson DR, Hagen TC *Diabetes* 24: 633-6, Jul 75 (Eng)

UNDER-RESPONSIVENESS OF GROWTH HORMONE SECRETION AFTER L-DOPA AND DEEP SLEEP STIMULATION IN OBESE SUBJECTS. Laurian L, Oberman Z, Ayalon D, Cordova T, Herzberg M, Horer E, Harrell A *Isr J Med Sci* 11: 482-7, May 75 (Eng)

STIMULATION OF GROWTH HORMONE SECRETION BY LEVODOPA-PROPRANOLOL IN CHILDREN AND ADOLESCENTS. Anonymous *Pediatrics* 56: 262-6, Aug 75 (Eng)

HISTOCHEMICAL OBSERVATIONS ON UPTAKE OF L-DOPA INTO ENDOCRINE CELLS OF THE RAT PITUITARY GLAND DURING THE POSTNATAL DEVELOPMENT. Partanen S, Rechardt L, Back N *Cell Tissue Res* 156: 451-61, 1975 (Eng)

HUMAN GROWTH HORMONE RESPONSE TO LEVODOPA. RELATION TO MENOPAUSE, DEPRESSION, AND PLASMA DOPA CONCENTRATION. Sachar EJ, Altman N, Gruen PH, Glassman A, Halpern FS, Sassini J *Arch Gen Psychiatry* 32: 502-3, Apr 75 (Eng)

NN-DIMETHYLBIGUANIDE

[NN-DIMETHYLBIGUANIDE ATTENUATES THE LIPID DISTURBANCE OF RATS ON A THEROGENIC DIET] Esteve B, Marquie G, Agid R *C R Acad Sci [D] (Paris)* 280: 2465-8, 2 Jun 75 (Fre)

DINITROPHENYLATION

GLUCOSE TRANSPORT CARRIER IN HUMAN ERYTHROCYTE MEMBRANES. DINITROPHENYLATION OF A MEMBRANE COMPONENT MODIFIED BY D-GLUCOSE. Jung CY, Carlson LM *J Biol Chem* 250: 3217-20, 10 May 75 (Eng)

2,3-DIPHOSPHOGLYCERATE

RED CELL 2, 3-DIPHOSPHOGLYCERATE LEVELS AMONG DIABETIC PATIENTS WITH AND WITHOUT VASCULAR COMPLICATIONS. Kanter Y, Bessman SP, Bessman A *Diabetes* 24: 724-9, Aug 75 (Eng)

DISACCHARIDE HYDROLYSIS

DISACCHARIDE HYDROLYSIS, INTESTINAL ABSORPTION AND ELECTROGENIC PROPERTIES IN SALMONELLA ENTEROCOLITIS IN MICE. Madge DS *Digestion* 11: 25-38, 1974 (Eng)

DISEASE, CHRONIC

COMPARATIVE STUDY OF GROWTH IN ASTHMATIC CHILDREN AND OTHER CHILDREN WITH CHRONIC DISEASE TO A CON-

TROL GROUP. Cernelc D, Cernelc M *Allerg Immunol (Leipz)* 20-21: 7-13, 1974-75 (Eng)

DISEASE, SECONDARY

[COMPLICATIONS AND SECONDARY DISEASES IN DIABETES MELLITUS] Dieterle P *Med Welt* 26: 1577-81, 5 Sep 75 (Ger)

DIURNAL VARIATION

CARBOHYDRATE METABOLISM IN PREGNANCY. PART I. DIURNAL PLASMA GLUCOSE PROFILE IN NORMAL AND DIABETIC WOMEN. Gillmer MD, Beard RW, Brooke FM, Oakley NW *Br Med J* 3: 399-402, 16 Aug 75 (Eng)

DIVALENT CATION

REQUIREMENTS FOR DIVALENT CATIONS BY HORMONAL MITOGENS AND THEIR INTERACTIONS WITH SEX STEROIDS. Morgan JI, Hall AK, Perris AD *Biochem Biophys Res Commun* 66: 188-94, 2 Sep 75 (Eng)

6-OH-DOPAMINE

THE NYCTOHEMERAL RHYTHM OF PLASMA PROLACTIN: EFFECTS OF GANGLIONECTOMY, PINEALECTOMY, CONSTANT LIGHT, CONSTANT DARKNESS OR 6-OH-DOPAMINE ADMINISTRATION. Kizer JS, Zivin JA, Jacobowitz DM, Kopin IJ *Endocrinology* 96: 1230-40, May 75 (Eng)

DOUBLE ANTIBODY

DOUBLE-ANTIBODY RADIOIMMUNOASSAY OF SERUM INSULIN: EFFECT OF USE OF HORMONE-DEPLETED HUMAN SERUM. Silbert CK, Sawin CT *Clin Chem* 21: 1520-2, Sep 75 (Eng)

DROSOPHILA MELANOGASTER

FATTY ACID BIOSYNTHESIS BY ISOLATED MITOCHONDRIA FROM DROSOPHILA MELANOGASTER. Goldin HH, Keith AD *J Insect Physiol* 14: 887-99, Jul 68 (Eng)

EFFECT OF BETA-ALANINE ON GLUCOSE AND FRUCTOSE CATABOLISM IN DROSOPHILA MELANOGASTER WITH NOTES ON BETA-AMINOISOBUTYRIC AND GAMMA-AMINOBUTYRIC ACIDS. Jacobs ME *J Insect Physiol* 14: 1259-64, Sep 68 (Eng)

DRUG THERAPY

[MODERN DRUG THERAPY OF DIABETES MELLITUS] Mehnert H *Med Welt* 26: 1571-6, 5 Sep 75 (Ger)

DWARFISM, ENDOCRINE

[ENDOCRINE DWARFISM. 3. DIAGNOSIS AND THERAPY OF NONHYPOTHALAMIC-NON-PITUITARY ENDOCRINE DWARFISM] Hesse V *Kinderarztl Prax* 43: 217-26, May 75 (Ger)

ECTOPIC HORMONE PRODUCTION

ECTOPIC HORMONE PRODUCTION. Smith LH *Surg Gynecol Obstet* 141: 443-53, Sep 75 (Eng) [203]

EDEMA, CEREBRAL

LETTER: GLYCEROL, CEREBRAL OEDEMA, AND DIABETES. Hurwitz BJ, Rottenberg DA *Lancet* 2: 369, 23 Aug 75 (Eng)

ELDERLY

THE PROBLEMS OF ABDOMINAL OPERATIONS IN ELDERLY PATIENTS. Szauer JS, Zukauskas C *Geriatrics* 30: 57-9, 63-4, Sep 75 (Eng)

ELECTRODE, ION

STUDIES ON PHOSPHATIDYLCHOLINE MODEL MEMBRANES. I. IODINE PERMEABILITY MEASUREMENT BY SPECIFIC ION ELECTRODE. Schullery SE *Chem Phys Lipids* 14: 49-58, Feb 75 (Eng)

ELECTRO-OCULOGRAPHIC STUDY

AN ELECTRO-OCULOGRAPHIC STUDY OF OCULAR BOBBING AND INTERMITTENT VERTICAL OSCILLATIONS OCCURRING IN THE SAME PATIENT. Nakanishi Y, Inoue K, Shimada Y, Toyokura Y *J Neurol* 210: 161-6, 22 Sep 75 (Eng)

ELECTROLYTE

FLUID AND ELECTROLYTE THERAPY. Hartsock JM *Major Probl Clin Surg* 17: 39-52, 1975 (Eng)

THE EFFECTS OF CAPTURE, STRESS, AND STORAGE OF WHOLE BLOOD ON THE RED BLOOD CELLS, PLASMA PROTEINS, GLUCOSE, AND ELECTROLYTES OF THE WINTER FLOUNDER (PSEUDOPLEURONECTES AMERICANUS). Fletcher GL *Can J Zool* 53: 197-206, Feb 75 (Eng)

ELECTROLYTE, SERUM

THE INFLUENCE OF SEROTONIN ON INSULIN-STIMULATED GASTRIC SECRETION, BLOOD GLUCOSE AND SERUM ELECTROLYTE LEVELS IN THE UNANESTHETIZED RAT. Hano J, Bugajski J, Danek L, Wantuch C *Arch Int Pharmacodyn Ther* 216: 28-39, Jul 75 (Eng)

ELECTROMYOGRAPHIC STUDY

[CLINICO-NEUROLOGIC AND ELECTROMYOGRAPHIC STUDIES OF PATIENTS WITH INITIAL ISOLATED PIGMENTARY RETINOPATHY] Muller-Jensen A, Eickhoff W, Hellner KA *Ophthalmologica* 170: 505-17, 1975 (Ger)

ELECTRON DIFFRACTION

ELECTRON DIFFRACTION STUDIES OF BIOLOGICAL MEMBRANES AND LIPIDS. Carlismalm E, Wieslander A *Nature* 254: 537-8, 10 Apr 75 (Eng)

ELECTRON MICROSCOPY

[LETTER: STUDY OF SYMPATHETIC GANGLIC BY ELECTRON MICROSCOPY. ANATOMO-CLINICAL RELATIONS IN ARTERIOPATHIES] Courbier R, Jausseran JM, Reggi M, Choux R, Toga M *Nouv Presse Med* 4: 1814, 14 Jun 75 (Fre)

SCANNING ELECTRON MICROSCOPIC OBSERVATIONS OF ENDOTHELIAL CHANGES IN EXPERIMENTALLY INDUCED ATHEROMATOSIS OF RABBIT AORTAS. de Bruijn WC, van Mourik W *Virchows Arch [Pathol Anat]* 365: 23-40, 1975 (Eng)

[ELECTRON MICROSCOPIC CHANGES IN RAT HYPOPHYSIS FOLLOWING ADRENALECTOMY AND ACTH ADMINISTRATION. II. NEURONAL LOBE OF THE HYPOPHYSIS] Danielewicz-Kotowicz A *Neuropatol Pol* 13: 49-59, Jan-Mar 75 (Pol)

Diabetes Literature—Keyword Index

ELECTRON TRANSFER

THE PURIFICATION AND SOME PROPERTIES OF ELECTRON TRANSFER FLAVOPROTEIN AND GENERAL FATTY ACYL COENZYME A DEHYDROGENASE FROM PIG LIVER MITOCHONDRIA. Hall CL, Kamin H *J Biol Chem* 250: 3476-86, 10 May 75 (Eng)

MECHANISMS FOR ELECTRON TRANSFER ASSISTED PHOSPHORYLATION, AND ATP HYDROLYSIS. Haight GP, Scott RA, Woltermann GM *Physiol Chem Phys* 6: 375-8, 1974 (Eng)

ELECTRON TRANSPORT

[PROTON AND ELECTRON TRANSPORT THROUGH BILAYER MEMBRANES AND THE DECAENE/WATER INTERFACE IN THE PRESENCE OF CHLOROPHYLL] Volkov AG, Lozhkin BT, Boguslavskii LI *Dokl Akad Nauk SSSR* 220: 1207-10, 1975 (Rus)

EMPHYSEMATOUS CHOLECYSTITIS

[THE EMPHYSEMATOUS CHOLECYSTITIS] Prager P, Schneider H *Fortschr Geb Roentgenstr Nuklearmed* 122: 563-5, Jun 75 (Ger)

ENCEPHALOPATHY

[ENCEPHALOPATHY DUE TO PROTRACTED HYPOGLYCEMIC COMA DURING LOW-DOSE INSULIN THERAPY] Cecchini S, del Greco V *Riv Neurobiol* 18: 55-64, Jan-Mar 72 (Ita)

ENDOCRINE CELL

HISTOCHEMICAL OBSERVATIONS ON UPTAKE OF L-DOPA INTO ENDOCRINE CELLS OF THE RAT PITUITARY GLAND DURING THE POSTNATAL DEVELOPMENT. Partanen S, Rechardt L, Back N *Cell Tissue Res* 156: 451-61, 1975 (Eng)

ENDOCRINE DISEASE

[PROCEEDINGS: HUMAN PROLACTIN SECRETION DYNAMICS IN VARIOUS ENDOCRINE DISEASES] Ogawa N, Miyoshi M, Hanabusa M, Yokoyama H, Furuno K *Folia Endocrinol Jpn* 50: 296, 20 Feb 74 (Jpn)

ENDOCRINE FUNCTION

[ENDOCRINE FUNCTION OF THE GASTROINTESTINAL TRACT] Shlimovich PB, Khommel Kh, Fisher U *Sov Med* 68-73, Jun 75 (Rus)

[PANCREATIC TRANSPLANTATION: ENDOCRINE FUNCTION OF THE GRAFTED PANCREAS. CURRENT DATA AND FUTURE PROSPECTS] Eloy R, Jaecq D, Schang JC, Van-nareth T, Gillet M, Grenier JF, Moody AJ *Ann Chir* 29: 559-69, Jun 75 (Fre)

ENDOCRINE GLAND, FISH

STUDIES ON THE DEVELOPMENT OF ENDOCRINE GLANDS IN FISHES. III. MORPHOGENESIS OF THE ENDOCRINE PANCREAS IN CLARIAS BATRACHUS L. Bel-sare DK *Z Mikrosk Anat Forsch* 88: 981-6, 1974 (Eng)

ENDOCRINE RHYTHM

ENDOCRINE RHYTHMS ASSOCIATED WITH PINEAL GLAND FUNCTION. Reiter RJ *Adv Exp Med Biol* 54: 43-78, 1975 (Eng)

ENDOCRINE TUMOR

PANCREATIC ENDOCRINE TUMORS--THE RIDDLE OR THEIR ORIGIN AND HORMONE SECRETION. Creutzfeldt W *Isr J Med Sci* 11: 762-76, Jul 75 (Eng)

ENDOMETRIAL CELL

STEROID HORMONE-RESPONSIVE, ISOLATED ENDOMETRIAL CELLS. Pietras RJ, Szego CM *Endocrinology* 96: 946-54, Apr 75 (Eng)

ENDOMETRIUM

BIOCHEMICAL PARAMETERS OF ABNORMAL ENDOMETRIUM. Hughes EC, Csermely TV, Jacobs RD, O'Hern P *Gynecol Oncol* 2: 205-20, Aug 74 (Eng)

ENDOPEROXIDE

INHIBITION OF BASAL AND HORMONE-STIMULATED ADENYLATE CYCLASE IN ADIPOCYTE GHOSTS BY THE PROSTAGLANDIN ENDOPEROXIDE PROSTAGLANDIN H₂. Gorman RR, Hamberg M, Samuelsson B *J Biol Chem* 250: 6460-3, 25 Aug 75 (Eng)

ENDOTHELIAL CHANGE

SCANNING ELECTRON MICROSCOPIC OBSERVATIONS OF ENDOTHELIAL CHANGES IN EXPERIMENTALLY INDUCED ATHEROSCLEROSIS OF RABBIT AORTAS. de Bruijn WC, van Mourik W *Virchows Arch [Pathol Anat]* 365: 23-40, 1975 (Eng)

ENDOTHELIAL INJURY

REPEATED ENDOTHELIAL INJURY AND INDUCTION OF ATHEROSCLEROSIS IN NORMOLIPEMIC RABBITS BY HUMAN SERUM. Friedman RJ, Moore S, Singal DP *Lab Invest* 32: 404-15, Mar 75 (Eng)

ENDOTHELIAL PERMEABILITY

[IN VIVO DETERMINATION OF ENDOTHELIAL PERMEABILITY TO FLUORESCIN] Ota Y *Acta Soc Ophthalmol Jpn* 78: 1107-8, 10 Oct 74 (Jpn)

ENDOTOXIN

PHYSIOLOGICAL EFFECT OF ORALLY ADMINISTERED ENDOTOXIN TO MAN. Emody L, Ralovich B, Barna K, Brasch G, Ternak G *J Hyg Epidemiol Microbiol Immunol (Praha)* 18: 454-8, 1974 (Eng)

ENERGETIC SUBSTRATE

[DISCUSSION OF MESSRS P. LEFEBVRE AND A. LUYCKX LECTURE: GLUCAGON AND ENERGETIC SUBSTRATES PUBLISHED IN THE BULLETIN, VOL. 128, FASC. 2, 1973, PP. 163-185] Lecomte J, Lefebvre P *Bull Acad R Med Belg* 129: 143-5, 1974 (Fre)

ENERGETICS

UNIMPORTANCE OF COUNTERFLUX IN THE ENERGETICS OF DOWNHILL TRANSPORT. Koch AL *J Bacteriol* 120: 895-901, Nov 74 (Eng)

ENERGY

SOURCE OF ENERGY FOR THE ESCHERICHIA COLI GALACTOSE TRANSPORT SYSTEMS INDUCED BY GALACTOSE. Wilson DB *J Bacteriol* 120: 866-71, Nov 74 (Eng)

ENZYME LOCALIZATION

ENERGY HOMEOSTASIS

[PROCEEDINGS: ENERGY HOMEOSTASIS. 4. METABOLIC CHANGES AT EPINEPHRINE LOADING IN PATIENTS WITH INSULINOMA] Sakamoto N, Hotta A, Yoshida M, Sato S, Nagashima M *Folia Endocrinol Jpn* 50: 543, 20 Feb 74 (Jpn)

ENERGY STATE

MITOCHONDRIAL FUNCTION UNDER HYPOXIC CONDITIONS: THE STEADY STATES OF CYTOCHROME ALPHA₂ AND ALPHA₃ AND THEIR RELATION TO MITOCHONDRIAL ENERGY STATES. Oshino N, Sugano T, Oshino R, Chance B *Biochim Biophys Acta* 368: 298-310, 19 Dec 74 (Eng)

ENERGY UTILIZATION

EFFICIENCY OF ENERGY UTILIZATION BY THE ZUCKER HEREDITARILY OBESE RAT FATTY (38569). Zucker LM *Proc Soc Exp Biol Med* 148: 498-500, Feb 75 (Eng)

ENNIATIN IONOPHORE

THE ENNIATIN IONOPHORES. CONFORMATION AND ION BINDING PROPERTIES. Ovchinnikov YA, Ivanov VT, Evstratov AV, Mikhaleva II, Bystrov VF, Portnova SL, Balashova TA, Meshcheryakova EN, Tulchinsky VM *Int J Pept Protein Res* 6: 465-98, 1974 (Eng)

ENZYME

MALATE DEHYDROGENASE. CIRCULAR DICHROISM DIFFERENCE SPECTRA OF PORCINE HEART MITOCHONDRIAL AND SUPERNATANT ENZYMES, BINARY ENZYME-COENZYME, AND TERNARY ENZYME-COENZYME-SUBSTRATE ANALOG COMPLEXES. Eberhardt NL, Wolfe RG *J Biol Chem* 250: 2987-92, 25 Apr 75 (Eng)

INFLUENCE OF NUTRITIONAL CHANGES ON LIPOPROTEIN LIPASE ACTIVITY. II: THE EFFECT OF HIGH FAT INTAKE ON LEVELS OF ENZYME OF RAT ADIPOSE TISSUE. Ribeiro LP, Schettino CM, Affonso OR, Mitidieri E *Rev Bras Biol* 31: 219-23, Jun 71 (Eng)

ENZYME ACTIVITY

[INFLUENCE OF DIET, CORTISONE AND INSULIN ON VARIATIONS IN ENZYME ACTIVITY OF PYRUVATE CARBOXYLASE (EC 6.4.1.1) AND PHOSPHOENOLPYRUVATE CARBOXYKINASE (EC 4.1.1.32) IN RAT LIVER] Peret J, Chanet M *C R Acad Sci [D] (Paris)* 279: 2095-8, 23 Dec 74 (Fre)

EFFECT OF GONADAL HORMONES ON ENZYME ACTIVITIES IN BRAIN AND PITUITARY OF MALE AND FEMALE RATS. Luine VN, Khylichevskaya RI, McEwen BS *Brain Res* 86: 283-92, 21 Mar 75 (Eng)

ENZYME ANALYSIS

AN ANALYSIS OF THE KINETIC POSITIONS HELD BY FIVE ENZYMES OF CARBOHYDRATE METABOLISM IN DICTYOSTELIUM DISCOIDEUM. Wright BE, Park DJ *J Biol Chem* 250: 2219-26, 25 Mar 75 (Eng)

ENZYME LOCALIZATION

LOCALIZATION OF ENZYMES INVOLVED IN POLYPHOSPHOINOSITIDS METABOLISM ON THE CYTOPLASMIC SURFACE OF THE HUMAN ERYTHROCYTE MEMBRANE. Bur-

ENZYME, RESPIRATORY

riss Garrett RJ, Redman CM *Biochim Biophys Acta* 382: 58-64, 28 Feb 75 (Eng)

ENZYME, RESPIRATORY

CONTROL OF PHOSPHORYLATIVE ACTIVITY IN HUMAN LIVER MITOCHONDRIA THROUGH CHANGES IN RESPIRATORY ENZYME CONTENTS. Ozawa K, Honjo I *Clin Sci Mol Med* 48: 75-82, Feb 75 (Eng)

EPINEPHRINE

IN VITRO STIMULATION OF HEPATIC GLYCOGEN PHOSPHORYLASE ACTIVITY BY EPINEPHRINE AND GLUCAGON IN THE KILLFISH, *FUNDULUS HETEROCLOTIS*. Uminger BL, Benziger D, Levy S *Comp Biochem Physiol* [C] 51: 111-5, 1 Jun 75 (Eng)

EPINEPHRINE LOADING

[PROCEEDINGS: ENERGY HOMEOSTASIS. 4. METABOLIC CHANGES AT EPINEPHRINE LOADING IN PATIENTS WITH INSULINOMA] Sakamoto N, Hotta A, Yoshida M, Sato S, Nagashima M *Folia Endocrinol Jpn* 50: 543, 20 Feb 74 (Jpn)

EPINEPHRINE POISONING

LACTIC ACIDOSIS IN EPINEPHRINE POISONING. Kolendorf K, Moller BB *Acta Med Scand* 196: 465-6, Dec 74 (Eng)

EPINEPHRINE STIMULATION

EPINEPHRINE STIMULATION OF FAT CELL ADENYLATE CYCLASE: REGULATION BY GUANOSINE-5-TRIPHOSPHATE AND MAGNESIUM ION. Siegel MI, Cuatrecasas P *Mol Cell Endocrinol* 1: 89-98, Apr 74 (Eng)

ERYTHROCYTE

KINETIC STUDIES ON THE ERYTHROCYTE HEXOKINASE OF THE DOMESTIC PIG, *SUS SCROFA*. Dixon E Jr *Comp Biochem Physiol* [B] 50: 61-4, 15 Jan 75 (Eng)

IN VITRO METABOLISM OF PACKED ERYTHROCYTES STORED IN CPD-ADENINE. Bensinger TA, Metro J, Beutler E *Transfusion* 15: 135-9, Mar-Apr 75 (Eng)

THE EFFECT OF AGITATION ON IN VITRO METABOLISM OF ERYTHROCYTES STORED IN CPD-ADENINE. Bensinger TA, Metro J, Beutler E *Transfusion* 15: 140-3, Mar-Apr 75 (Eng)

[VITAMIN A AND BIOLOGICAL MEMBRANES. IV. CHANGES INDUCED BY A VITAMIN A DEFICIENT DIET IN THE FATTY ACID COMPOSITION OF THE STROMA OF ALBINO RAT ERYTHROCYTES] Carhini L, Dazzi E, Padalino A *Acta Vitaminol Enzymol (Milano)* 28: 199-202, 1974 (Ita)

2,3-ERYTHROCYTE DIPHOSPHOGLYCERATE

ERYTHROCYTE 2,3-DIPHOSPHOGLYCERATE AS RELATED TO DIABETES AND OBESITY. Kalofoutis A, Jullien G, Koutselinis A, Miras C *Clin Chem* 21: 1414-5, Sep 75 (Eng)

ERYTHROCYTE GHOST

EVIDENCE FOR CONSTRAINED LIPID MOBILITY IN THE ERYTHROCYTE GHOST. A SPIN LABEL STUDY. Verma SP, Wallach DFH *Biochim Biophys Acta* 382: 73-82, 28 Feb 75 (Eng)

ERYTHROCYTE, HUMAN

THE EFFECTS OF THE MEMBRANE-PENETRATING POLYPEPTIDE SEGMENT OF THE HUMAN ERYTHROCYTE MNGLYCOPROTEIN ON THE PERMEABILITY OF MODEL LIPID MEMBRANES. Lea EJA, Rich GT, Segrest JP *Biochim Biophys Acta* 382: 41-50, 28 Feb 75 (Eng)

MEMBRANE PROTEINS RELATED TO WATER TRANSPORT IN HUMAN ERYTHROCYTES. Brown PA, Feinstein MB, Shaafi RI *Nature* 254: 523-5, 10 Apr 75 (Eng)

ERYTHROCYTE MEMBRANE

HORMONE ACTION AND MEMBRANE FLUIDITY: EFFECT OF INSULIN AND CORTISOL ON THE HILL COEFFICIENTS OF RAT ERYTHROCYTE MEMBRANE-BOUND ACETYLCHOLINESTERASE AND (NA& K&)-ATPASE. Massa EM, Morero RD, Bloj B, Farias RN *Biochem Biophys Res Commun* 66: 115-22, 2 Sep 75 (Eng)

PHOSPHORYLATION OF ENDOGENOUS SUBSTRATES BY ERYTHROCYTE MEMBRANE PROTEIN KINASES. I. A MONOVALENT CATION-STIMULATED REACTION. Avruch J, Fairbanks G *Biochemistry* 13: 5507-14, 31 Dec 74 (Eng)

[COUPLED TRANSPORT OF H&, K& AND CL MINUS IONS ACROSS ERYTHROCYTE MEMBRANES] Astashkin EI, Antonov VF *Fiziol Zh SSSR* 60: 1813-8, Dec 74 (Rus)

ERYTHROCYTE MEMBRANE ENZYME

CHARACTERIZATION OF ERYTHROCYTE MEMBRANE-ASSOCIATED ENZYMES (GLYCERALDEHYDE-3-PHOSPHATE DEHYDROGENASE AND PHOSPHOGLYCERIC KINASE). Schrier SL, Ben-Bassat I, Junga I, Seeger M, Grumet FC *J Lab Clin Med* 85: 797-810, May 75 (Eng)

ERYTHROCYTE MEMBRANE, FROG

A PERSISTENT ACTIVE STATE OF THE ADENYLATE CYCLASE SYSTEM PRODUCED BY THE COMBINED ACTIONS OF ISOPROTERENOL AND GUANYLYL IMIDODIPHOSPHATE IN FROG ERYTHROCYTE MEMBRANES. Schramm M, Rodbell M *J Biol Chem* 250: 2232-7, 25 Mar 75 (Eng)

ERYTHROCYTE MEMBRANE, HUMAN

LOCALIZATION OF ENZYMES INVOLVED IN POLYPHOSPHOINOSITIDS METABOLISM ON THE CYTOPLASMIC SURFACE OF THE HUMAN ERYTHROCYTE MEMBRANE. Burriss Garrett RJ, Redman CM *Biochim Biophys Acta* 382: 58-64, 28 Feb 75 (Eng)

GLUCOSE TRANSPORT CARRIER IN HUMAN ERYTHROCYTE MEMBRANES. DINITROPHENYLATION OF A MEMBRANE COMPONENT MODIFIED BY D-GLUCOSE. Jung CY, Carlson LM *J Biol Chem* 250: 3217-20, 10 May 75 (Eng)

X-RAY DIFFRACTION STUDIES OF HUMAN ERYTHROCYTE MEMBRANE STRUCTURE. Stamatoff JB, Krimm S, Harvie NR *Proc Natl Acad Sci USA* 72: 531-4, Feb 75 (Eng)

ERYTHROCYTE METABOLISM

ERYTHROCYTE METABOLISM IN THE YELLOW PERCH (*PERCA FLAVESCENS MITCHILL*). I. GLYCOLYTIC ENZYMES. Bachand L, Leray C *Comp Biochem Physiol* [B] 50: 567-70, 15 Apr 75 (Eng)

ERYTHROCYTE, TURKEY

THE CONTROL OF ADENYLATE CYCLASE BY CALCIUM IN TURKEY ERYTHROCYTE GHOSTS. Steer ML, Levitzki A *J Biol Chem* 250: 2080-4, 25 Mar 75 (Eng)

ESCHERICHIA COLI

PTSX: A GENE INVOLVED IN THE UPTAKE OF GLUCOSE AND FRUCTOSE BY ESCHERICHIA COLI. Kornberg HL, Jones-Mortimer MC *FEBS Lett* 51: 1-4, 1 Mar 75 (Eng)

SOURCE OF ENERGY FOR THE ESCHERICHIA COLI GALACTOSE TRANSPORT SYSTEMS INDUCED BY GALACTOSE. Wilson DB *J Bacteriol* 120: 866-71, Nov 74 (Eng)

TRANSPORT OF SUGARS AND AMINO ACIDS IN BACTERIA. XII. SUBSTRATE SPECIFICITIES OF THE BRANCHED CHAIN AMINO ACID-BINDING PROTEINS OF ESCHERICHIA COLI. Amanuma H, Anraku Y *J Biochem (Tokyo)* 76: 1165-73, Dec 74 (Eng)

ESCHERICHIA COLI B

COUPLING OF ALANINE RACEMASE AND D-ALANINE DEHYDROGENASE TO ACTIVE TRANSPORT OF AMINO ACIDS IN ESCHERICHIA COLI B MEMBRANE VESICLES. Kaczorowski G, Shaw L, Fentes M, Walsh C *J Biol Chem* 250: 2855-65, 25 Apr 75 (Eng)

ESCHERICHIA COLI CELL

EVIDENCE FOR THE ALLOSTERIC REGULATION OF GLYCOGEN SYNTHESIS IN THE INTACT ESCHERICHIA COLI CELL. AGREEMENT OF THE VALUES OF THE PARAMETERS OF THE HILL EQUATION FITTED TO DATA FOR GLYCOGEN SYNTHESIS IN VIVO WITH THE AVAILABLE VALUES OBTAINED IN VITRO WITH ADENOSINE DIPHOSPHOGLUCOSE SYNTHETASE. Dietzler DN, Leckie MP, Lais CJ, Magnani JL *J Biol Chem* 250: 2383-7, 25 Mar 75 (Eng)

ESCHERICHIA COLI MEMBRANE

STIMULATION OF TRANSPORT INTO ESCHERICHIA COLI MEMBRANE VESICLES BY INTERNALLY GENERATED REDUCED NICOTINAMIDE ADENINE DINUCLEOTIDE. Futai M *J Bacteriol* 120: 861-5, Nov 74 (Eng)

ESTERIFICATION

UPTAKE, OXIDATION, AND ESTERIFICATION OF FREE FATTY ACIDS IN NORMAL AND ATHEROSCLEROTIC RABBIT AORTA. Morrison ES, Scott RF, Kroms M, Frick J *Biochem Med* 11: 153-64, Oct 74 (Eng)

ESTRADIOL

[MICROSOME-ASSOCIATED 17BETA-HYDROXYSTEROID DEHYDROGENASES OF HUMAN PLACENTA. II KINETIC STUDIES AND CHARACTERIZATION OF THE SOLUBILIZED ESTRADIOL-AND TESTOSTERONE-SENSITIVE 17BETA-HSD ACTIVITIES] Pollow K, Runge W, Pollow B *Z Naturforsch [C]* 30: 17-24, Jan-Feb 75 (Ger)

ESTRIOL, PLASMA

STUDIES ON THE MASS FRAGMENTOGRAPHIC DETERMINATION OF PLASMA ESTRIOL. Adlercreutz H, Nylander P, Hun-

Diabetes Literature—Keyword Index

FASTING BLOOD SUGAR

neman DH *Biomed Mass Spectrom* 1: 332-9, Oct 74 (Eng)

ESTROGEN EFFECT

THE EFFECT OF ESTROGEN ON THE LIPOPROTEIN LIPASE ACTIVITY OF RAT ADIPOSE TISSUE. Hamosh M, Hamosh P *J Clin Invest* 55: 1132-5, May 75 (Eng)

[PROCEEDINGS: EFFECT OF GLUCOCORTICOID AND ESTROGEN ON GLUCOSE UPTAKE BY THE ADIPOSE TISSUE] Umehara C, Nishikawa Y, Iki Y, Sugimoto T *Folia Endocrinol Jpn* 50: 650, 20 Feb 74 (Jpn)

ESTROGEN SYNTHESIS BY THE PREGNANT BABOON. Kling OR, Rubin EJ, Townsley JD *J Med Primatol* 1: 102-13, 1972 (Eng)

ESTROGEN PRODUCTION

TIME RELATIONSHIPS IN HORMONE RESPONSES: INCREASED OVARIAN LACTIC ACID PRODUCTION IN VITRO AND ESTROGEN PRODUCTION IN VIVO IN IMMATURE FEMALE RATS TREATED WITH PMS. Sashida T, Johnson DC *Biol Reprod* 12: 212-22, Mar 75 (Eng)

ETHANOL

MODIFICATIONS OF PLASMA POST-HEPARIN LIPOLYTIC ACTIVITY AND TISSUE LIPOPROTEIN LIPASE ACTIVITY INDUCED IN THE RAT BY ACUTE ADMINISTRATION OF ETHANOL OR PROPAN-2-OL. Giudicelli Y, Nordmann R, Nordmann J *Clin Sci Mol Med* 48: 153-6, Feb 75 (Eng)

RELATIVE RATES OF METABOLISM MCT, LCT AND ETHANOL IN MAN. Iher FL *Z Ernährungswiss [Suppl]* 9-16, 1974 (Eng)

ETHANOL AMMONIUM ACETATE

A SENSITIVE, RAPID, AND ECONOMIC RADIOIMMUNOASSAY OF HUMAN GROWTH HORMONE USING ETHANOL-AMMONIUM ACETATE. Saito T, Saxena BB *J Lab Clin Med* 85: 497-504, Mar 75 (Eng)

ETHANOL EFFECT

EFFECT OF ETHANOL AND ACETALDEHYDE ON THE (NA⁺ & K⁺)-ACTIVATED ADENOSINE TRIPHOSPHATASE ACTIVITY OF CARDIAC PLASMA MEMBRANES. Williams JW, Tada M, Katz AM, Rubin E *Biochem Pharmacol* 24: 27-32, 1 Jan 75 (Eng)

ETHANOL ELIMINATION

[ETHANOL ELIMINATION IN CHILDHOOD] Schippan R, Wagner S, Zschöcke D *Kinderaerztl Prax* 43: 193-201, May 75 (Ger)

ETHANOL INGESTION

A POSSIBLE MECHANISM FOR THE PEROXIDATION OF LIPIDS DUE TO CHRONIC ETHANOL INGESTION. Reitz RC *Biochim Biophys Acta* 380: 145-54, 20 Feb 75 (Eng)

ETHYLENE DIAMINE TETRA-ACETIC ACID

EFFECTS OF PROGESTERONE AND EDTA ON CYCLIC AMP AND PHOSPHODIESTERASE IN DICTYOSTELIUM DISCOIDEUM. Klein C, Brachet P *Nature* 254: 432-4, 3 Apr 75 (Eng)

N-ETHYLMALIMIDE

PHOSPHATE TRANSPORT IN RAT LIVER MITOCHONDRIA. MEMBRANE COM-

PONENTS LABELED BY N-ETHYLMALIMIDE DURING INHIBITION OF TRANSPORT. Coty WA, Pedersen PL *J Biol Chem* 250: 3515-21, 10 May 75 (Eng)

N-ETHYLMALIMIDE EFFECT

EFFECTS OF N-ETHYLMALIMIDE ON LIPOLYSIS AND GLUCOSE UPTAKE IN RAT ADIPOSE TISSUE. Giudicelli Y, Fieux MN, Nordmann R *Biomedicine [Express]* 21: 452-6, 20 Nov 74 (Eng)

EXCRETION

[RESULTS OF A STUDY ON THE CIRCADIAN RHYTHM OF CATECHOLAMINE EXCRETION ON NORMAL SUBJECTS AND THOSE WITH HIGH EXCRETION LEVELS (AUTHORS TRANSL.)] Wisser H, Knoll E *Clin Chim Acta* 59: 1-7, 22 Feb 75 (Ger)

EXERCISE

GLUCOSE AND FREE FATTY ACID UTILIZATION IN EXERCISE. STUDIES IN NORMAL AND DIABETIC MAN. Wahren J, Hagenfeldt L, Felig P *Isr J Med Sci* 11: 551-9, Jun 75 (Eng)

EXERCISE AND FAT CELLS IN THE RAT. Gardiner PF, Ness GW, Secord DC, Taylor AW *Rev Can Biol* 33: 295-300, Dec 74 (Eng)

[PROCEEDINGS: FLUCTUATION OF GROWTH HORMONE LEVELS IN THE BLOOD CAUSED BY EXERCISES WITH SPECIAL REFERENCE TO SEX DIFFERENCES] Ino T, Tokoro A, Iki Y, Sugimoto T, Umehara C *Folia Endocrinol Jpn* 50: 281, 20 Feb 74 (Jpn)

EXERCISE EFFECT

EFFECT OF PHYSICAL EXERCISE ON SECRETION OF GROWTH HORMONE, GLUCAGON, AND CORTISOL IN OBESE AND DIABETIC CHILDREN. Garlaschi C, di Natale B, del Guercio MJ, Caccamo A, Gargantini L, Chiumello G *Diabetes* 24: 758-61, Aug 75 (Eng)

EFFECT OF EXERCISE AND PHYSICAL FITNESS ON SERUM LIPIDS AND LIPOPROTEINS. Lopez A, Vial R, Balart L, Arroyave G *Atherosclerosis* 20: 1-9, Jul-Aug 74 (Eng)

THE EFFECT OF EXERCISE ON BLOOD METABOLITE LEVELS IN THE HORSE. Anderson MG *Equine Vet J* 7: 27-33, Jan 75 (Eng)

EFFECTS OF DIET AND EXERCISE ON CATECHOLAMINE EXCRETION. Sonka J, Kopecka J, Pavlova A, Zbirkova A, Stas J *Horm Metab Res* 6: 532, Nov 74 (Eng)

THE EFFECT OF PHYSICAL EXERCISE ON GLYCOGEN METABOLISM IN THE RAT LIVER. Bobilewicz D, Ranc-Bukowska E, Obuchowicz B *Acta Physiol Pol* 25: 29-38, Jan-Feb 74 (Eng)

EXERCISE INDUCED

CATECHOLAMINES AND EXERCISE-INDUCED GLUCAGON AND FATTY ACID MOBILIZATION IN THE RAT. Luyckx AS, Dresse A, Cession-Fossion A, Lefebvre PJ *Am J Physiol* 229: 376-83, Aug 75 (Eng)

EXPERIMENTAL MODEL

[AN ACUTE DIABETIC SYNDROME INDUCED IN RATS BY ANTI-INSULIN SERUM AS AN EXPERIMENTAL MODEL FOR THE STUDY OF SEVERAL ANTIDIABETIC AGENTS] Andreev D, Strashimirov D, Ditsov S, Dashev G *Eksp Med Morfol* 13: 95-101, 1974 (Bul)

EXPLANT, FETAL LIVER

HORMONAL REGULATION OF INCORPORATION OF ALANINE-U-14C INTO GLUCOSE IN HUMAN FETAL LIVER EXPLANTS. EFFECT OF DIBUTYRYL CYCLIC AMP, GLUCAGON, INSULIN, AND TRIAMCINOLONE. Schwartz AL, Rall TW *Diabetes* 24: 650-7, Jul 75 (Eng)

EYE

[EFFECT OF PLOTTING BY EYE OF THE CALIBRATION CURVE IN RADIOIMMUNOLOGIC ASSAYS] Taggi F, Lostia O *Ann Ist Super Sanita* 10: 47-62, 1974 (Ita)

[SOME INDICES OF CARBOHYDRATE METABOLISM IN THE TISSUES OF THE EYE UNDER THE INFLUENCE OF SILICON-CONTAINING DUST AND RADIANT HEAT IN EXPERIMENT] Gmyria AI, Antonova AI *Oftalmol Zh* 30: 26-8, 1975 (Rus)

F WAVE LATENCY

[THE DIAGNOSTIC VALUE OF THE F WAVE LATENCY (AUTHORS TRANSL.)] Conrad B, Aschoff JC, Fischler M *J Neurol* 210: 151-9, 22 Sep 75 (Ger)

FACIAL PARALYSIS

CELLULAR IMMUNE RESPONSE TO PERIPHERAL NERVE BASIC PROTEIN IN IDIOPATHIC FACIAL PARALYSIS (BELLS PALSY). Abramsky O, Webb C, Teitelbaum D, Arnon R *J Neurol Sci* 26: 13-20, Sep 75 (Eng)

FASCIITIS, NECROTIZING

FACTITIAL PANNICULITIS AND NECROTIZING FASCIITIS IN JUVENILE DIABETES. Oh C, Ginsberg-Fellner F, Dolger H *Diabetes* 24: 856-8, Sep 75 (Eng)

FAST, OVERNIGHT

INTERRELATIONS OF GLUCOSE, INSULIN AND GLUCAGON AFTER OVERNIGHT FAST AND IN RESPONSE TO ORAL GLUCOSE DURING LATE PREGNANCY. Nitzan M, Freinkel N, Metzger BE, Unger RH, Faloon GR, Daniel RR *Isr J Med Sci* 11: 617-22, Jun 75 (Eng)

FASTED

PROCEEDINGS: THE EFFECTS OF CAFFEINE AND CARNITINE ON THE OXYGEN CONSUMPTION OF FED AND FASTED SUBJECTS. Miller DS, Stock MJ, Stuart JA *Proc Nutr Soc* 33: 28a-29a, Sep 74 (Eng)

ACUTE COLD EXPOSURE AND THE METABOLISM OF BLOOD GLUCOSE, LACTATE AND PYRUVATE, AND PLASMA AMINO ACIDS IN THE HIND LEG OF THE FED AND FASTED YOUNG OX. Bell AW, Gardner JW, Manson W, Thompson GE *Br J Nutr* 33: 207-17, Mar 75 (Eng)

FASTING

ADAPTATION TO FASTING IN BABOON. II. REGULATION OF LIPOLYSIS EARLY AND LATE IN FASTING. Koerker DJ, Goodner CJ, Chidekel EW, Ensick JW *Am J Physiol* 229: 350-4, Aug 75 (Eng)

FASTING BLOOD SUGAR

CONTROL OF DIABETIC PATIENTS: COMPARISON OF INFORMATION OBTAINED FROM FASTING BLOOD SUGAR LEVEL AND

Diabetes Literature—Keyword Index

FASTING EFFECT

THE GLYCEMIC CYCLE. Mejean L, Drouin P, Martin JM, Debry G *Acta Diabetol Lat* 11: 340-6, Jul-Aug 74 (Eng)

FASTING EFFECT

LIPOPROTEIN LIPASE IN RAT LUNG. THE EFFECT OF FASTING. Hamosh M, Hamosh P *Biochim Biophys Acta* 380: 132-40, 24 Jan 75 (Eng)

FAT

COMPOSITION OF DIETS CONTAINING 25 AND 35 PER CENT CALORIES FROM FAT. ANALYZED VS. CALCULATED VALUES. Marshall MW, Iacono JM, Young CW Jr, Washington VA, Slover HT, Leapey PM *J Am Diet Assoc* 66: 470-81, May 75 (Eng)

[LETTER: RESTRICTION OF FAT OR CARBOHYDRATES IN REDUCING DIET] Mehnert H *Med Klin* 70: 488, 14 Mar 75 (Ger)

STUDIES OF GASTROINTESTINAL INTERACTIONS. VII. CHARACTERISTICS OF THE ABSORPTION PATTERN OF SUGAR, FAT AND PROTEIN FROM COMPOSITE MEALS IN MAN. A QUANTITATIVE STUDY. Johansson C *Scand J Gastroenterol* 10: 33-42, 1975 (Eng)

[THE INFLUENCE OF ATHEROGENIC DIET AND COUMARIN ON THE ACCUMULATION OF TOTAL FATS AND CHOLESTEROL IN THE COMBS OF COCKS (AUTHORS TRANSL.)] Rucinski T, Kadziolka A, Ziolo T *Ann Univ Mariae Curie Skłodowska [Med]* 27: 115-22, 1972 (Pol)

[THE INFLUENCE OF COUMARIN ON THE FAT OF PLASMA OF COCKS FED ON AN ATHEROGENIC DIET (AUTHORS TRANSL.)] Kdziolka A, Patyra S, Rucinski T, Kostarz T *Ann Univ Mariae Curie Skłodowska [Med]* 27: 123-9, 1972 (Pol)

FAT CELL

INSULIN RECEPTORS IN FAT CELLS: RELATIONSHIP BETWEEN BINDING AND ACTIVATION. Gliemann J, Gammeltoft S, Vinten J *Isr J Med Sci* 11: 656-63, Jul 75 (Eng)

LETTER: FAT CELLS IN CHILDEOD OBESITY. Anonymous *Lancet* 1: 225, 25 Jan 75 (Eng)

PERFUSED FAT CELLS. Allen DO, Largis EE, Katox AS Jr, Ashmore J *Methods Enzymol* 35: 607-12, 1975 (Eng)

BIPHASIC EFFECT OF 5-GUANYLYLMIDODIPHOSPHATE ON FAT CELL ADENYLATE CYCLASE. Ebert R, Schwabe U *Naunyn Schmiedeberg Arch Pharmacol* 286: 297-313, 1974 (Eng)

EXERCISE AND FAT CELLS IN THE RAT. Gardiner PF, Ness GW, Secord DC, Taylor AW *Rev Can Biol* 33: 295-300, Dec 74 (Eng)

[PROCEEDINGS: CELL NUCLEUS PICTURE OF FAT CELLS UNDER VARIOUS FUNCTIONAL CONDITION] Rakow L *Verh Dtsch Ges Pathol* 57: 401, 1973 (Ger)

[PROCEEDINGS: MECHANISM OF RELEASE OF LIPOLYTIC PRODUCTS (FFA AND FG) FROM FAT CELLS] Naito C, Okada T *Folia Endocrinol Jpn* 50: 653, 20 Feb 74 (Jpn)

FAT CELL, CHICKEN

LACK OF FEEDBACK REGULATION OF CYCLIC 3:5-AMP ACCUMULATION BY FREE FATTY ACIDS IN CHICKEN FAT CELLS. Malgieri JA, Shepherd RE, Fain JN *J Biol Chem* 250: 6593-8, 25 Aug 75 (Eng)

FAT CELL, WHITE

ISOLATION OF FREE BROWN AND WHITE FAT CELLS. Fain JN *Methods Enzymol* 35: 555-61, 1975 (Eng)

FAT EFFECT

EFFECT OF FAT FEEDING ON COMPLEX LIPID SYNTHESIS IN HAMSTER INTESTINE. Mansbach CM *Gastroenterology* 68: 708-14, Apr 75 (Eng)

FAT EMULSION

[UTILIZATION OF FAT EMULSIONS IN THE PARENTERAL FEEDING OF MAN] Eckart J *Infusionstherapie* 1: 521-9, Oct 74 (Ger)

FAT INGESTION

GASTRIC INHIBITORY POLYPEPTIDE (GIP) STIMULATED BY FAT INGESTION IN MAN. Falko JM, Crockett SE, Cataland S, Mazzaferri EL *J Clin Endocrinol Metab* 41: 260-5, Aug 75 (Eng)

FAT INTAKE

INFLUENCE OF NUTRITIONAL CHANGES ON LIPOPROTEIN LIPASE ACTIVITY. II: THE EFFECT OF HIGH FAT INTAKE ON LEVELS OF ENZYME OF RAT ADIPOSE TISSUE. Ribeiro LP, Schettino CM, Affonso OR, Mitidieri E *Rev Bras Biol* 31: 219-23, Jun 71 (Eng)

FATTY ACID

FATTY ACID CHAIN FLEXIBILITY IN THE MEMBRANES OF NORMAL AND TRANSFORMED FIBROBLASTS. Gaffney BJ *Proc Natl Acad Sci USA* 72: 664-8, Feb 75 (Eng)

[INFLUENCE OF THE SUPPLEMENTATION OF RATION WITH CONJUGATED BILIARY SALTS ON THE EQUIPMENT AND BILIARY ACIDS OF THE SMALL INTESTINE IN THE RAT. MODIFICATIONS OF THE APPARENT ABSORPTION OF FATTY ACIDS] Demarne Y, Sacquet E, Van Heijenoort Y, Mathis C *Ann Biol Anim Biochim Biophys* 14: 239-50, 1974 (Fre)

ON THE MECHANISM AND CONTROL OF THE MALONYL-COA-DEPENDENT CHAIN ELONGATION OF FATTY ACIDS. THE MALONYL-TRANSFER REACTION. Podack ER, Saathoff G, Seubert Eur *J Biochem* 50: 237-43, 16 Dec 74 (Eng)

FATTY ACID BIOSYNTHESIS

FATTY ACID BIOSYNTHESIS BY ISOLATED MITOCHONDRIA FROM DROSOPHILA MELANOGASTER. Goldin HH, Keith AD *J Insect Physiol* 14: 887-99, Jul 68 (Eng)

FATTY ACID COMPOSITION

[CHANGES IN THE FATTY ACID COMPOSITION OF SERUM FREE FATTY ACID AFTER GLUCOSE LOAD (AUTHORS TRANSL.)] Kato K, Kikuchi S, Takeyama N, Komatsu T *Jpn J Clin Pathol* 22: 886-8, Dec 74 (Jpn)

[VITAMIN A AND BIOLOGICAL MEMBRANES. IV. CHANGES INDUCED BY A VITAMIN A DEFICIENT DIET IN THE FATTY ACID COMPOSITION OF THE STROMA OF ALBINO RAT ERYTHROCYTES] Carhini L, Dazzi E, Padalino A *Acta Vitaminol Enzymol (Milano)* 28: 199-202, 1974 (Ita)

FATTY ACID, ESSENTIAL

THE EFFECT OF ESSENTIAL FATTY ACIDS DEFICIENCY ON THE NITROGEN METABOLISM OF RATS. al-Nagdy SA, al-Gauhari AA, el-Sabbagh ME, Elise EA *Comp Biochem Physiol [A]* 47: 835-43, 1 Mar 74 (Eng)

FATTY ACID, FREE

THE PANCREATIC INSULIN CONTENT AND ITS RELATIONSHIP TO PLASMA GLUCOSE AND FREE FATTY ACID CONCENTRATIONS IN THE EMBRYO AND NEONATAL CHICK. Langslow DR *Br Poult Sci* 16: 329-33, Jul 75 (Eng)

GLUCOSE AND FREE FATTY ACID UTILIZATION IN EXERCISE. STUDIES IN NORMAL AND DIABETIC MAN. Wahren J, Hagenfeldt L, Felig P *Isr J Med Sci* 11: 551-9, Jun 75 (Eng)

LACK OF FEEDBACK REGULATION OF CYCLIC 3:5-AMP ACCUMULATION BY FREE FATTY ACIDS IN CHICKEN FAT CELLS. Malgieri JA, Shepherd RE, Fain JN *J Biol Chem* 250: 6593-8, 25 Aug 75 (Eng)

[CHANGES IN THE FATTY ACID COMPOSITION OF SERUM FREE FATTY ACID AFTER GLUCOSE LOAD (AUTHORS TRANSL.)] Kato K, Kikuchi S, Takeyama N, Komatsu T *Jpn J Clin Pathol* 22: 886-8, Dec 74 (Jpn)

[CHANGES IN THE COMPOSITION OF FREE FATTY ACIDS OF THE PLASMA OF RATS SUBMITTED TO DIFFERENT TYPES OF HYPERTENSION] Michailov ML *Biomedicine [Express]* 21: 393-7, 10 Oct 74 (Fre)

[INFLUENCE OF ADDITION OF THE FREE FATTY ACIDS TO THE PERFUSATE ON THE FUNCTION OF ISOLATED RAT HEART] Didier JP, Klepping J, Boucrot P, Moreau D, Noiro P, Bastien H *C R Soc Biol (Paris)* 168: 504-9, 1974 (Fre)

ELABORATION OF MEDIUM CHAIN FREE FATTY ACIDS AND LONG CHAIN FATTY ACID PROSTAGLANDIN PRECURSORS BY ISOLATED ANOXIC RAT LIVER MITOCHONDRIA. Markelonis G, Garbus J *FEBS Lett* 51: 7-10, 1 Mar 75 (Eng)

LETTERS TO THE EDITOR: ARE FREE FATTY ACIDS ARRHYTHMOGENIC EFFECTS ON CELLULAR CARDIAC ACTION POTENTIALS. Wasilewska-Dziubinska E *J Mol Cell Cardiol* 7: 153-4, Feb 75 (Eng)

LETTER: ARE FREE FATTY ACIDS ARRHYTHMOGENIC Opie LH, Lubbe WF *J Mol Cell Cardiol* 7: 155-9, Feb 75 (Eng)

LETTER: CYCLIC AMP, ALPHA AND BETA RECEPTORS AS A FURTHER EXPLANATION OF THE PROPRANOLOL-FFA ACTIVITY. Flemenbaum A *Psychosom Med* 37: 74, Jan-Feb 75 (Eng)

UPTAKE, OXIDATION, AND ESTERIFICATION OF FREE FATTY ACIDS IN NORMAL AND ATHEROSCLEROTIC RABBIT AORTA. Morrison ES, Scott RF, Kroms M, Frick J *Biochem Med* 11: 153-64, Oct 74 (Eng)

[PROCEEDINGS: MECHANISM OF RELEASE OF LIPOLYTIC PRODUCTS (FFA AND FG) FROM FAT CELLS] Naito C, Okada T *Folia Endocrinol Jpn* 50: 653, 20 Feb 74 (Jpn)

THE EFFECT OF MUSCULAR EXERCISE ON FREE FATTY ACIDS, ACETOACETATE AND 3-HYDROXYBUTYRATE BLOOD LEVELS. Boninsegna A, Federspil G, De Palo C *Horm Metab Res* 6: 488-91, Nov 74 (Eng)

CHANGES IN PLASMA CORTISOL, GLUCOSE AND FREE FATTY ACIDS AFTER CAFFEINE INGESTION IN OBESE WOMEN. Oberman Z, Herzberg M, Jaskolka H, Harrell A, Hoerer E, Laurian L *Isr J Med Sci* 11: 33-6, Jan 75 (Eng)

Diabetes Literature—Keyword Index

FREE FATTY ACIDS, DIACYL- AND TRIACYL-GLYCEROLS AND TOTAL PHOSPHOLIPIDS IN VERTEBRATE RETINA: COMPARISON WITH BRAIN, CHOROID AND PLASMA. Aveland MI, Bazan NG *J Neurochem* 23: 1127-35, Dec 74 (Eng)

EDITORIAL: FREE FATTY ACIDS AND ARRHYTHMIAS AFTER ACUTE MYOCARDIAL INFARCTION. Anonymous *Lancet* 1: 313-4, 8 Feb 75 (Eng)

[FACTORS REGULATING FREE FATTY ACID BLOOD LEVELS DURING POSTPRANDIAL LIPEMIA] Paluszak J *Pol Tyg Lek* 30: 531-2, 24 Mar 75 (Pol)

RELATIONSHIP BETWEEN FREE FATTY ACIDS AND GLUCOSE UPTAKE BY RAT KIDNEY CORTEX SLICES. Chorvathova V, Ondreicka R, Dzurik R *Physiol Bohemoslav* 21: 629-32, 1972 (Eng)

FATTY ACID, LONG CHAIN

ELABORATION OF MEDIUM CHAIN FREE FATTY ACIDS AND LONG CHAIN FATTY ACID PROSTAGLANDIN PRECURSORS BY ISOLATED ANOXIC RAT LIVER MITOCHONDRIA. Markelonis G, Garbus J *FEBS Lett* 51: 7-10, 1 Mar 75 (Eng)

LONG CHAIN FATTY ACID BINDING TO HUMAN PLASMA ALBUMIN. Ashbrook JD, Spector AA, Santos EC, Fletcher JE *J Biol Chem* 250: 2333-8, 25 Mar 75 (Eng)

FATTY ACID METABOLISM

METABOLISM OF GLUCOSE AND FATTY ACID BY LEUKOCYTES FROM PATIENTS WITH ENDOGENOUS HYPERTRIGLYCERIDEMIA. Burns CP, Welshman IR, Spector AA *J Lab Clin Med* 85: 598-609, Apr 75 (Eng)

GENETIC CONTROL OF FATTY ACID METABOLISM, ESPECIALLY STUDY OF GENETIC CONTROL OF CHOLESTEROL. Mimura G *Jpn Circ J* 39: 303-9, Mar 75 (Eng)

FATTY ACID MOBILIZATION

CATECHOLAMINES AND EXERCISE-INDUCED GLUCAGON AND FATTY ACID MOBILIZATION IN THE RAT. Luyckx AS, Dresse A, Cession-Fossion A, Lefebvre PJ *Am J Physiol* 229: 376-83, Aug 75 (Eng)

EFFECT OF ADRENERGIC BLOCKADE ON FATTY ACID MOBILIZATION. Khosla P, Garg KN *Indian J Med Res* 62: 1486-91, Oct 74 (Eng)

FATTY ACID MOBILIZATION, FREE

INHIBITOR OF CATECHOLAMINE-INDUCED FREE FATTY ACID MOBILIZATION FROM THE CALF MIDBRAIN. Hollett CR *Biochem Pharmacol* 23: 989-98, 1 Mar 74 (Eng)

FATTY ACID, NONESTERIFIED

[EFFECT OF INSULIN AND DIABETES ON NON-ESTERIFIED FATTY ACID PLASMA LEVELS IN FETUS AND NEWBORN RAT] Picon L, Irondele MM, Prudont G *C R Acad Sci [D]* (Paris) 279: 2067-9, 23 Dec 74 (Fr)

FATTY ACID, SHORT-CHAIN

THE ACTIVATION OF SHORT-CHAIN FATTY ACIDS BY THE SOLUBLE FRACTION OF GUINEA-PIG HEART AND LIVER MITOCHONDRIA. THE SEARCH FOR A DISTINCT PROPIONYL-COA SYNTHETASE. Groot PH *Biochim Biophys Acta* 380: 12-20, 24 Jan 75 (Eng)

FATTY ACID, VOLATILE

APPETITE AND INSULIN-METABOLITE HARMONY IN PORTAL BLOOD OR SHEEP FED HIGH OR LOW ROUGHAGE DIET WITH OR WITHOUT INTRARUMINAL INFUSION OF VFA. Bhattacharya AN, Alulu M *J Anim Sci* 41: 225-33, Jul 75 (Eng)

FATTY TISSUE, SUBCUTANEOUS

[STUDIES ON THE EFFECT OF MODE OF NUTRITION ON SOMATIC DEVELOPMENT OF INFANTS. COMMUNICATION II. DEVELOPMENT OF SUBCUTANEOUS FATTY TISSUE IN INFANTS (AUTHORS TRANSL.)] Gornicki B, Dzieniszewska-Klepcka L, Litwin E *Probl Med Wziku Rozwoj* 2: 27-43, 1972 (Pol)

FED RAT

HORMONAL CONTROL OF CYCLIC 3:5-MP LEVELS AND GLUCONEOGENESIS IN ISOLATED HEPATOCYTES FROM FED RATS. Pilakis SJ, Claus TH, Johnson RA, Park CR *J Biol Chem* 250: 6328-36, 25 Aug 75 (Eng)

FEEDING

EFFECT OF FAT FEEDING ON COMPLEX LIPID SYNTHESIS IN HAMSTER INTESTINE. Mansbach CM *Gastroenterology* 68: 708-14, Apr 75 (Eng)

EFFECTS UPON GLUCOSE METABOLISM OF FEEDING A LOW- OR HIGH-ROUGHAGE DIET AT TWO LEVELS OF INTAKE TO SHEEP. Evans E, Buchanan-Smith JG *Br J Nutr* 33: 33-44, Jan 75 (Eng)

FEEDING BEHAVIOR

FEEDING BEHAVIOR IN MONKEYS WITH SPONTANEOUS DIABETES MELLITUS. Hamilton CL, Lewis DJ *J Med Primatol* 4: 145-53, 1975 (Eng)

FEEDING EFFECT

PROCEEDINGS: EFFECT OF FEEDING WITH SUCROSE AND OTHER CARBOHYDRATES ON PLATELET FUNCTION IN RATS. McGregor I *Proc Nutr Soc* 33: 23a-24a, Sep 74 (Eng)

FEEDING, PARENTERAL

[UTILIZATION OF FAT EMULSIONS IN THE PARENTERAL FEEDING OF MAN] Eckart J *Infusionstherapie* 1: 521-9, Oct 74 (Ger)

[THE TECHNIC OF INFUSION TREATMENT AND PARENTERAL FEEDING IN NEWBORNS AND INFANTS] Dangel P *Infusionstherapie* 2: 34-43, Feb 75 (Ger)

FENPROPOREX

[CONTRIBUTION TO A STUDY OF A NEW LIPOLYTIC AND ANORECTIC DRUG: FENPROPOREX (AUTHORS TRANSL.)] Najera Mortes J *Folia Clin Int (Barc)* 23: 134-51, Feb 73 (Spa)

FERROUS ION

STUDIES ON FERROUS ION-INDUCED LIPID PEROXIDATION OF RAT LIVER MITOCHONDRIA. I. EFFECT OF INORGANIC PHOSPHATE. Yamamoto G, Tanabe M, Wakabayashi H, Hasimoto G, Yamamoto M *Acta Med Okayama* 28: 299-310, Oct 74 (Eng)

FIBROBLAST GROWTH FACTOR

FETAL

PLACENTAL PRODUCTION AND FOETAL UTILISATION OF LACTATE AND PYRUVATE. Burd LJ, Jones MD Jr, Simmons MA, Makowski EL, Meschia G, Battaglia FC *Nature* 254: 710-1, 24 Apr 75 (Eng)

FETAL HYPOPHYSECTOMY EFFECT

THE EFFECT OF FETAL HYPOPHYSECTOMY ON PLACENTAL BIOSYNTHESIS OF PROGESTERONE IN RHESUS. Hageman FC, Baughman WL, Kittinger GW *Endocrinology* 96: 1059-62, Apr 75 (Eng)

FETAL RESPONSE

MATERNAL AND FETAL RESPONSE TO RAPID GLUCOSE LOADING IN PREGNANCY AND LABOR. Zakut H, Mashlach S, Blankstein J, Serr DM *Isr J Med Sci* 11: 632-7, Jun 75 (Eng)

FETOMATERNAL UNIT

SYMPOSIUM II: FETOMATERNAL UNIT IN DIABETES. CLINICAL AND EXPERIMENTAL ASPECTS. FUNCTION OF THE FETAL ENDOCRINE PANCREAS. Asplund K, Andersson A, Jarrouse C, Hellerstrom C *Isr J Med Sci* 11: 581-90, Jun 75 (Eng) [50]

FETUS

[EFFECT OF INSULIN AND DIABETES ON NON-ESTERIFIED FATTY ACID PLASMA LEVELS IN FETUS AND NEWBORN RAT] Picon L, Irondele MM, Prudont G *C R Acad Sci [D]* (Paris) 279: 2067-9, 23 Dec 74 (Fr)

FFA

SEE FATTY ACID, FREE

FIBRINOLYTIC ACTIVITY

DEPRESSED ENDOGENOUS FIBRINOLYTIC ACTIVITY IN ESSENTIAL HYPERTENSION. Tsapogas MJ, Peabody RA, Wu KT, Devaraj KT, Eckert C *J Cardiovasc Surg (Torino)* 15: 651-4, Nov-Dec 74 (Eng)

FIBRINOLYTIC EFFECT

EFFECT OF FIBRINOLYTIC TREATMENT IN MALIGNANT ATROPHIC PAPULOSIS. Delaney TJ, Black MM *Br Med J* 3: 415, 16 Aug 75 (Eng)

FIBRINOLYTIC SYSTEM

[THE IMPORTANCE OF THE FIBRINOLYTIC SYSTEM FOR THE DETECTION OF THROMBOSIS SUSCEPTIBILITY] Klockung HP *Folia Haematol (Leipz)* 102: 238-47, 1975 (Ger)

FIBROBLAST

FATTY ACID CHAIN FLEXIBILITY IN THE MEMBRANES OF NORMAL AND TRANSFORMED FIBROBLASTS. Gaffney BJ *Proc Natl Acad Sci USA* 72: 664-8, Feb 75 (Eng)

CONCENTRATIVE ACCUMULATION (ACTIVE TRANSPORT) OF 2-DEOXY-D-GLUCOSE IN PRIMATE FIBROBLASTS. Tsuboi KK, Petriciani JC *Biochem Biophys Res Commun* 62: 587-93, 3 Feb 75 (Eng)

FIBROBLAST GROWTH FACTOR

PURIFICATION OF A FIBROBLAST GROWTH FACTOR FROM BOVINE PITUITARY. Gospodarowicz D *J Biol Chem* 250: 2515-20, 10 Apr 75 (Eng)

Diabetes Literature—Keyword Index

FIBROBLAST, MUTANT

FIBROBLAST, MUTANT

USE OF MUTANT FIBROBLASTS IN THE ANALYSIS OF THE REGULATION OF CHOLESTEROL METABOLISM IN HUMAN CELLS. Brown MS, Brannan PG, Bohmfalk HA, Brunschede GY, Dana SE, Helgeson J, Goldstein JL. *J Cell Physiol* 85: 425-36, Apr 75 (Eng)

FIJI ISLAND

HOSPITAL MORBIDITY IN THE FIJI ISLANDS WITH SPECIAL REFERENCE TO THE SACCCHARINE DISEASE. Sorokin M. *S Afr Med J* 49: 1481-5, 23 Aug 75 (Eng)

FISH, FRESH WATER

HISTOPATHOLOGY OF THE ENDOCRINE PANCREAS OF A FRESH-WATER FISH, CLARIAS BATRACHUS (L.) IX: EFFECT OF THE NEW ANTIDIABETIC DRUG, GLIBENCLAMIDE (HB 419). Bhatt SD. *Anat Anz* 137: 138-46, 1975 (Eng)

FLAVOPROTEIN

THE PURIFICATION AND SOME PROPERTIES OF ELECTRON TRANSFER FLAVOPROTEIN AND GENERAL FATTY ACYL COENZYME A DEHYDROGENASE FROM PIG LIVER MITOCHONDRIA. Hall CL, Kamin H. *J Biol Chem* 250: 3476-86, 10 May 75 (Eng)

FLOUNDER (PSEUDOPLEURONECTES AMERICANUS)

THE EFFECTS OF CAPTURE, STRESS, AND STORAGE OF WHOLE BLOOD ON THE RED BLOOD CELLS, PLASMA PROTEINS, GLUCOSE, AND ELECTROLYTES OF THE WINTER FLOUNDER (PSEUDOPLEURONECTES AMERICANUS). Fletcher GL. *Can J Zool* 53: 197-206, Feb 75 (Eng)

FLUID

FLUID AND ELECTROLYTE THERAPY. Hart-suck JM. *Major Probl Clin Surg* 17: 39-52, 1975 (Eng)

FURTHER STUDIES ON THE ACTION OF PROLACTIN ON FLUID AND ION ABSORPTION BY THE RAT JEJUNUM. Mainoya JR. *Endocrinology* 96: 1158-64, May 75 (Eng)

FLUID, INTESTINAL

EFFECTS OF BOVINE GROWTH HORMONE, HUMAN PLACENTAL LACTOGEN AND OVINE PROLACTIN ON INTESTINAL FLUID AND ION TRANSPORT IN THE RAT. Mainoya JR. *Endocrinology* 96: 1165-70, May 75 (Eng)

FLUID, INTRAOCULAR

COENZYME SPECIFICITY IN THE GLYCOLYSIS OF INTRAOCULAR FLUIDS. Gershbein LL, Dan TC. *Res Commun Chem Pathol Pharmacol* 10: 155-61, Jan 75 (Eng)

FLUIDITY, MEMBRANE

HORMONE ACTION AND MEMBRANE FLUIDITY: EFFECT OF INSULIN AND CORTISOL ON THE HILL COEFFICIENTS OF RAT ERYTHROCYTE MEMBRANE-BOUND ACETYLCHOLINESTERASE AND (NA⁺ & K⁺)-ATPASE. Massa EM, Morero RD, Bloj B, Farias RN. *Biochem Biophys Res Commun* 66: 115-22, 2 Sep 75 (Eng)

FLUORESCCEIN

[IN VIVO DETERMINATION OF ENDOTHELIAL PERMEABILITY TO FLUORESCCEIN] Ota Y. *Acta Soc Ophthalmol Jpn* 78: 1107-8, 10 Oct 74 (Jpn)

FLUORIDE

LIVER MEMBRANE ADENYLATE CYCLASE. SYNERGISTIC EFFECTS OF ANIONS ON FLUORIDE, GLUCAGON, AND GUANYL NUCLEOTIDE STIMULATION. Johnson RA, Palkis SJ, Hamet P. *J Biol Chem* 250: 6599-607, 25 Aug 75 (Eng)

FLUORIDE INHIBITION

INTRA-AXONAL TRANSPORT OF NORADRENALINE: INHIBITION BY FLUORIDE. Mraz P. *Folia Morphol (Praha)* 22: 276-7, 1974 (Eng)

FLUOROCARBON

SYNTHESIS OF SERUM ALBUMIN IN ISOLATED RAT LIVER PERFUSED BY A SYNTHETIC MEDIUM WITH FLUOROCARBON FC-80 EMULSION AS OXYGEN CARRIER. Novakova V, Birke G, Plantin LO. *Acta Physiol Scand* 92: 289-302, Nov 74 (Eng)

FOLLICLE STIMULATING HORMONE

[PROCEEDINGS: SIGNIFICANCE OF GLYCOGEN METABOLISM OF THE ANTERIOR PITUITARY LOBE IN THE MECHANISMS OF LH AND FSH RELEASE] Makino T, Takahata H, Shiina M, Iizuka R, Ono T. *Folia Endocrinol Jpn* 50: 260, 20 Feb 74 (Jpn)

[PROCEEDINGS: RESPONSES OF PLASMA ACTH, GH, LH, FSH, TSH AND PROLACTIN IN CUSHINGS SYNDROME] Hashimoto K, Asaoka K, Mori M, Yokoyama M, Miyoshi M. *Folia Endocrinol Jpn* 50: 537, 20 Feb 74 (Jpn)

FOOD

NEUROLEPTIC-INDUCED DEFICITS IN FOOD AND WATER REGULATION: SIMILARITIES TO THE LATERAL HYPOTHALAMIC SYNDROME. Zis AP, Fibiger HC. *Psychopharmacologia* 43: 63-8, 23 Jul 75 (Eng)

FOOD UPTAKE

[PROCEEDINGS: EFFECT OF 2-DEOXY-D-GLUCOSE ON FOOD UPTAKE AND BODY WEIGHT INCREASE IN RATS] Naito C, Okada T. *Folia Endocrinol Jpn* 50: 646, 20 Feb 74 (Jpn)

FRAMINGHAM STUDY

CHANGES ASSOCIATED WITH QUITTING CIGARETTE SMOKING: THE FRAMINGHAM STUDY. Gordon T, Kannel WB, Dawber TR, McGee D. *Am Heart J* 90: 322-8, Sep 75 (Eng)

FRUCTOSE

[METABOLISM OF THE SPLANCHNIC REGION AS INFLUENCED BY FRUCTOSE] Dietze G, Wicklmayr M, Hepp KD, Grunst J, Stiegler G, Mehnert H. *Infusionstherapie* 1: 523-5, Oct 74 (Ger)

[THE METABOLISM OF THE SPLANCHNIC REGION UNDER THE INFLUENCE OF FRUCTOSE] Dietze G, Wicklmayr M, Hepp KD, Grunst J, Stiegler G, Mehnert H. *Infusionstherapie* 1: 552-5, Oct 74 (Ger)

PTSK: A GENE INVOLVED IN THE UPTAKE OF GLUCOSE AND FRUCTOSE BY

ESCHERICHIA COLI. Kornberg HL, Jones-Mortimer MC. *FEBS Lett* 51: 1-4, 1 Mar 75 (Eng)

INCREASED RATE OF ALCOHOL REMOVAL FROM BLOOD WITH ORAL FRUCTOSE AND SUCROSE. Soterakis J, Iber FL. *Am J Clin Nutr* 28: 254-7, Mar 75 (Eng)

FRUCTOSE CATABOLISM

EFFECT OF BETA-ALANINE ON GLUCOSE AND FRUCTOSE CATABOLISM IN DROSOPHILA MELANOGASTER WITH NOTES ON BETA-AMINOISOBUTYRIC AND GAMMA-AMINOISOBUTYRIC ACIDS. Jacobs ME. *J Insect Physiol* 14: 1259-64, Sep 68 (Eng)

FRUCTOSE-1,6-BISPHOSPHATASE

PURIFICATION AND REGULATION OF FRUCTOSE-1,6-BISPHOSPHATASE FROM BACILLUS LICHENIFORMIS. Ophelm DJ, Bernlohr RW. *J Biol Chem* 250: 3024-33, 25 Apr 75 (Eng)

FRUCTOSE-1,6-DIPHOSPHATASE

[NEONATAL LACTIC ACIDOSIS AND HYPOGLYCEMIA DUE TO A CONGENITAL HEPATIC FRUCTOSE-1,6-DIPHOSPHATASE DEFICIENCY] Retbi JM, Gabilan JC, Marsac C. *Arch Fr Pediatr* 32: 367-80, Apr 75 (Fre)

FULL TERM

[MORPHOLOGICAL AND HISTOCHEMICAL ANALYSIS OF ELEMENTS OF THE PLACENTAL BARRIER IN FULL-TERM NEONATE HYPOTROPHY (AUTHORS TRANSL.)] Kolodziejczyk JW. *Probl Med Wieku Rozwoj* 3: 133-63, 1973 (Pol)

FUNCTIONAL DIAGNOSIS

[INTERFERING FACTORS AND SOURCES OF ERROR IN THE FUNCTIONAL DIAGNOSIS OF DIABETES MELLITUS] Kuhnau J. *Jr Dtsch Med Wochenschr* 100: 1851-3, 12 Sep 75 (Ger)

FUNDIC POUCH, DOG

ACTION OF GLUCAGON AND ATROPINE ON MUCOSAL BLOOD FLOW OF RESITING FUNDIC POUCHES OF DOGS. Warrick M, Lin TM. *Life Sci* 17: 333-8, 1 Aug 75 (Eng)

FUNDUS PHOTOGRAPH

[INCREASED INFORMATION GAINED THROUGH CONTRAST-STEERED FUNDUS PHOTOGRAPHS] Meinel U, Hogner W. *Klin Monatsbl Augenheilkd* 165: 887-91, Dec 74 (Ger)

GALACTOSE

SOURCE OF ENERGY FOR THE ESCHERICHIA COLI GALACTOSE TRANSPORT SYSTEMS INDUCED BY GALACTOSE. Wilson DB. *J Bacteriol* 120: 866-71, Nov 74 (Eng)

GAMMA AMINOISOBUTYRIC ACID

EFFECT OF BETA-ALANINE ON GLUCOSE AND FRUCTOSE CATABOLISM IN DROSOPHILA MELANOGASTER WITH NOTES ON BETA-AMINOISOBUTYRIC AND GAMMA-AMINOISOBUTYRIC ACIDS. Jacobs ME. *J Insect Physiol* 14: 1259-64, Sep 68 (Eng)

GANGLIONECTOMY EFFECT

THE NYCTOHEMERAL RHYTHM OF PLASMA PROLACTIN: EFFECTS OF GANGLIONECTOMY, PINEALECTOMY, CONSTANT LIGHT, CONSTANT DARKNESS OR 6-OH-

Diabetes Literature—Keyword Index

DOPAMINE ADMINISTRATION. Kizer JS, Zivin JA, Jacobowitz DM, Kopin IJ *Endocrinology* 96: 1230-40, May 75 (Eng)

GAS CHROMATOGRAPHY

THE USE OF SOLID PROBE CHEMICAL IONIZATION MASS SPECTROMETRY AND GAS CHROMATOGRAPHY-CHEMICAL IONIZATION MASS SPECTROMETRY IN QUANTITATION OF DRUGS IN BIOLOGICAL FLUIDS. DETERMINATION OF TOLBUTAMIDE AND ITS METABOLITES IN HUMAN PLASMA. Matin SB, Knight JB *Biomed Mass Spectrom* 1: 323-8, Oct 74 (Eng)

GASTRIC EMPTYING

[DISTURBANCE OF GASTRIC EMPTYING IN DIABETES MELLITUS (AUTHORS TRANSL.)] Forgacs S *Fortschr Geb Roentgenstr Nuklearmed* 122: 541-7, Jun 75 (Ger)

GASTRIC OPERATION

GASTRIC OPERATIONS AND GLUCOSE HOMEOSTASIS. II. GLUCAGON AND SECRETIN. Breuer RI, Zuckerman L, Hauch TW, Green W, OGara P, Lawrence AM, Foa PP, Matsuyama T *Gastroenterology* 69: 598-606, Sep 75 (Eng)

GASTRIC SECRETION

THE INFLUENCE OF SEROTONIN ON INSULIN-STIMULATED GASTRIC SECRETION, BLOOD GLUCOSE AND SERUM ELECTROLYTE LEVELS IN THE UNANESTHETIZED RAT. Hano J, Bugajski J, Daneš L, Wantuch C *Arch Int Pharmacodyn Ther* 216: 28-39, Jul 75 (Eng)

GASTRIC VAGOTOMY

GASTRIN LEVELS AFTER PROXIMAL GASTRIC VAGOTOMY. Hayes JR, Ardill J, Kennedy TL, Buchanan KD *Ir J Med Sci* 144: 349-54, Sep 75 (Eng)

GASTRIN

GASTRIN LEVELS AFTER PROXIMAL GASTRIC VAGOTOMY. Hayes JR, Ardill J, Kennedy TL, Buchanan KD *Ir J Med Sci* 144: 349-54, Sep 75 (Eng)

GASTROINTESTINAL INTERACTION

STUDIES OF GASTROINTESTINAL INTERACTIONS. VII. CHARACTERISTICS OF THE ABSORPTION PATTERN OF SUGAR, FAT AND PROTEIN FROM COMPOSITE MEALS IN MAN. A QUANTITATIVE STUDY. Johansson C *Scand J Gastroenterol* 10: 33-42, 1975 (Eng)

GASTROINTESTINAL TRACT

[ENDOCRINE FUNCTION OF THE GASTROINTESTINAL TRACT] Shlimovich PB, Khommel Kh, Fisher U *Sov Med* 68-73, Jun 75 (Rus)

GASTRO-ENTERITIS, INFANTILE

BLOOD SUGAR IN INFANTILE GASTRO-ENTERITIS. Glyn-Jones R *S Afr Med J* 49: 1474-6, 23 Aug 75 (Eng)

GASTROPARESIS

[DIABETIC GASTROPARESIS AND DIABETIC DIARRHEA] Forgacs S *Orv Hetil* 116: 2049-53, 31 Aug 75 (Hun)

GENE

PTX: A GENE INVOLVED IN THE UPTAKE OF GLUCOSE AND FRUCTOSE BY ESCHERICHIA COLI. Kornberg HL, Jones-Mortimer MC *FEBS Lett* 51: 1-4, 1 Mar 75 (Eng)

GENETIC BACKGROUND

SYMPOSIUM IV: DIABETIC SYNDROME IN ANIMALS. INFLUENCE OF GENETIC BACKGROUND ON THE EXPRESSION OF MUTATIONS AT THE DIABETES LOCUS IN THE MOUSE. II. STUDIES ON BACKGROUND MODIFIERS. Coleman DL, Hummel KP *Isr J Med Sci* 11: 708-13, Jul 75 (Eng)

GENETIC CONTROL

GENETIC CONTROL OF FATTY ACID METABOLISM, ESPECIALLY STUDY OF GENETIC CONTROL OF CHOLESTEROL. Mimura G *Jpn Circ J* 39: 303-9, Mar 75 (Eng)

GENETICS

GENETICS AND RETINAL DETACHMENT. Deutman AF *Mod Probl Ophthalmol* 15: 22-33, 1975 (Eng)

GH-IH

SEE GROWTH HORMONE INHIBITING HORMONE

GH-RH

SEE GROWTH HORMONE RELEASING HORMONE

GHOST

THE CONTROL OF ADENYLATE CYCLASE BY CALCIUM IN TURKEY ERYTHROCYTE GHOSTS. Steer ML, Levitzki A *J Biol Chem* 250: 2080-4, 25 Mar 75 (Eng)

GIF

SEE GROWTH HORMONE INHIBITING FACTOR

GIGANTISM

[THE SERUM LEVEL OF SULFATATION FACTOR (SOMATOMEDINE) IN GROWTH RETARDATIONS, CEREBRAL GIGANTISM AND ACROMEGALY] Lecornu M *Arch Fr Pediatr* 30: 595-608, Jun-Jul 73 (Fre)

GINGIVA

[THE UPTAKE OF OXYGEN AND GLUCOSE BY THE GINGIVA IN DIABETES MELLITUS WITH VARIOUS FORMS OF PERIODONTAL DISEASES] Fett KD, Hommel H, Fischer U *Stomatol DDR* 25: 267-72, Apr 75 (Ger)

COMPARISON OF THE CAPILLARY BASAL LAMINA WIDTH IN MARGINAL GINGIVA OF DIABETIC AND NON-DIABETIC PATIENTS. Ketcham B, Cobb CM, Denys FR *Ala J Med Sci* 12: 295-301, Jul 75 (Eng)

GLIBENCLAMIDE

LETTER: GLIBENCLAMIDE-INDUCED HYPOGLYCAEMIA. Silience DO, Court JM *Br Med J* 3: 490-1, 23 Aug 75 (Eng)

HISTOPATHOLOGY OF THE ENDOCRINE PANCREAS OF A FRESH-WATER FISH, CLARIAS BATRACHUS (L.) IX: EFFECT OF

GLUCAGON

THE NEW ANTIDIABETIC DRUG, GLIBENCLAMIDE (HB 419). Bhatt SD *Anat Anz* 137: 138-46, 1975 (Eng)

GLIBENESE

[A CLINICAL STUDY OF A NEW SULFONYLURES HYPOGLYCEMIC AGENT: GLIPIZIDE (GLIBENESE)(AUTHORS TRANSL.)] Cochet B, Balant L, Rilliet B, Zahnd G *Praxis* 64: 562-8, 6 May 75 (Fre)

GLIPIZIDE

[A CLINICAL STUDY OF A NEW SULFONYLURES HYPOGLYCEMIC AGENT: GLIPIZIDE (GLIBENESE)(AUTHORS TRANSL.)] Cochet B, Balant L, Rilliet B, Zahnd G *Praxis* 64: 562-8, 6 May 75 (Fre)

GLIQUIDONE

[MECHANISM OF ACTION OF GLIQUIDONE (AUTHORS TRANSL.)] Zilker T, Ermler R, Henderkott U, Bottermann P *Dtsch Med Wochenschr* 100: 1733-4, 1739-41, 29 Aug 75 (Ger)

GLOMERULAR BASEMENT MEMBRANE, HUMAN

[METHOD FOR THE ISOLATION OF HUMAN GLOMERULAR BASEMENT MEMBRANE (AUTHORS TRANSL.)] Nagano M, Kawamura M, Kawanishi M, Suzuki A *Res Exp Med (Berl)* 165: 191-7, 24 Sep 75 (Ger)

GLOMERULOSCLEROSIS, DIABETIC

NEW ULTRASTRUCTURAL APPROACH TO THE PATHOGENESIS OF DIABETIC GLOMERULOSCLEROSIS. Campeanu S, Campeanu L *Acta Diabetol Lat* 11: 283-95, Jul-Aug 74 (Eng)

GLUCAGON

[USE OF GLUCAGON IN SMALL DOSES AND REINFUSION OF DESALTED AND CONCENTRATED ASCITIC FLUID IN THE THERAPY OF REFRACTORY CARDIAC DECOMPENSATION] Vancini B, Govoni P, Caio M *Boll Soc Ital Cardiol* 19: 401-7, 1974 (Ita)

[DISCUSSION OF MESSRS P. LEFEBVRE AND A. LUYCKX LECTURE: GLUCAGON AND ENERGETIC SUBSTRATES PUBLISHED IN THE BULLETIN, VOL. 128, FASC. 2, 1973, PP. 163-185] Lecomte J, Lefebvre P *Bull Acad R Med Belg* 129: 143-5, 1974 (Fre)

[COMPARISON OF INSULIN REACTIONS IN VARIOUS DISEASES TO GLUCOSE, ARGinine, AND GLUCAGON] Taminato A, Inoue Y, Mori K, Goto K, Kurahachi H *Clin Endocrinol (Tokyo)* 23: 373-9, Apr 75 (Jpn)

IN VITRO STIMULATION OF HEPATIC GLYCOGEN PHOSPHORYLASE ACTIVITY BY EPINEPHRINE AND GLUCAGON IN THE KILLIFISH, FUNDULUS HETEROCILITUS. Uminger BL, Benziger D, Levy S *Comp Biochem Physiol [C]* 51: 111-5, 1 Jun 75 (Eng)

GASTRIC OPERATIONS AND GLUCOSE HOMEOSTASIS. II. GLUCAGON AND SECRETIN. Breuer RI, Zuckerman L, Hauch TW, Green W, OGara P, Lawrence AM, Foa PP, Matsuyama T *Gastroenterology* 69: 598-606, Sep 75 (Eng)

INTERRELATIONS OF GLUCOSE, INSULIN AND GLUCAGON AFTER OVERNIGHT FAST AND IN RESPONSE TO ORAL GLUCOSE DURING LATE PREGNANCY. Nitzan M, Freinkel N, Metzger BE, Unger RH, Faloona GR, Daniel RR *Isr J Med Sci* 11: 617-22, Jun 75 (Eng)

Diabetes Literature—Keyword Index

GLUCAGON ACTION

- INTERACTIONS OF GLUCAGON, GUT GLUCAGON, VASOACTIVE INTESTINAL POLYPEPTIDE AND SECRETIN WITH THEIR MEMBRANE RECEPTORS. Bataille D, Rosselin G, Freychet P *Isr J Med Sci* 11: 687-92, Jul 75 (Eng)
- LIVER MEMBRANE ADENYLATE CYCLASE. SYNERGISTIC EFFECTS OF ANIONS ON FLUORIDE, GLUCAGON, AND GUANYL NUCLEOTIDE STIMULATION. Johnson RA, Pilks SJ, Hamet P *J Biol Chem* 250: 6599-607, 25 Aug 75 (Eng)
- THE HETEROGENEITY AND DEGRADATION OF GLUCAGON STUDIED BY POLYACRYLAMIDE GEL ELECTROPHORESIS. Calam DH, Storrer PL *J Biol Stand* 3: 263-5, 1975 (Eng)
- EDITORIAL: GLUCAGON AND SHOCK. Vaisrub S *JAMA* 233: 1195, 15 Sep 75 (Eng)
- [GLUCAGON: PHYSIOLOGY-PATHOLOGY] Benoit G *Lille Med* 20: 230-8, Mar 75 (Fre)
- ACTION OF GLUCAGON AND ATROPINE ON MUCOSAL BLOOD FLOW OF RESINING FUNDIC POUCHES OF DOGS. Warrick M, Lin TM *Life Sci* 17: 333-8, 1 Aug 75 (Eng)
- THE EFFECT OF ORAL ALANINE ON BLOOD GLUCOSE AND GLUCAGON IN THE HUMAN NEWBORN INFANT. Fiser RH, Williams PR, Fisher DA, DeLameter PV, Sperling MA, Oh W *Pediatrics* 56: 78-81, Jul 75 (Eng)
- [TEMPORAL RELATIONSHIP CONCERNING CHANGES IN BLOOD INSULIN, SUGAR AND ADENOSINE-35-MONOPHOSPHATE FOLLOWS ADMINISTRATION OF GLUCAGON TO HEALTHY SUBJECTS] Czekalski S, Kosowicz J, Kozak W, Ruszkowska J *Pol Med Wewn* 54: 127-32, Aug 75 (Pol)
- CATECHOLAMINES AND EXERCISE-INDUCED GLUCAGON AND FATTY ACID MOBILIZATION IN THE RAT. Luyckx AS, Dresse A, Cesson-Fossion A, Lefebvre PJ *Am J Physiol* 229: 376-83, Aug 75 (Eng)

GLUCAGON ACTION

- SYMPOSIUM I: HORMONE-FUEL INTERACTIONS IN NORMAL AND DIABETIC MAN. THE LIVER AS SITE OF INSULIN AND GLUCAGON ACTION IN NORMAL, DIABETIC AND OBESE HUMANS. Felig P, Wahren J *Isr J Med Sci* 11: 528-39, Jun 75 (Eng) [55]

GLUCAGON BLOOD CATECHOLAMINE TEST

- GLUCAGON-BLOOD CATECHOLAMINE TEST: USE IN ISOLATED AND FAMILIAL PHEOCHROMOCYTOMA. Siqueira-Filho AG, Sheps SG, Maher FT, Jiang NS, Elveback LR *Arch Intern Med* 135: 1227-31, Sep 75 (Eng)

GLUCAGON EFFECT

- HORMONAL REGULATION OF INCORPORATION OF ALANINE-U-14C INTO GLUCOSE IN HUMAN FETAL LIVER EXPLANTS. EFFECT OF DIBUTYRYL CYCLIC AMP, GLUCAGON, INSULIN, AND TRIAMCINOLONE. Schwartz AL, Rall TW *Diabetes* 24: 650-7, Jul 75 (Eng)
- [EFFECT OF GLUCAGON ON INSULIN SECRETION IN ACUTE VIRAL HEPATITIS] Kiczka W, Juszczyk J, Adamek J, Kosowicz J, Porawska J *Pol Tyg Lek* 30: 1295-8, 4-11 Aug 75 (Pol)
- [EFFECT OF GLUCAGON ON THE LEFT VENTRICULAR FUNCTION IN PATIENTS WITH CONGESTIVE HEART FAILURE (AUTHORS TRANSL)] Dubiel JS, Pyzik A, Szczeklik J, Dubiel JP, Cibor E *Przegl Lek* 32: 662-8, 1975 (Pol)

GLUCAGON INTERACTION

- INTERACTIONS OF GLUCAGON, GUT GLUCAGON, VASOACTIVE INTESTINAL POLYPEPTIDE AND SECRETIN WITH THEIR MEMBRANE RECEPTORS. Bataille D, Rosselin G, Freychet P *Isr J Med Sci* 11: 687-92, Jul 75 (Eng)

GLUCAGON, INTRAVENOUS

- [COMPARISON OF BLOOD GLUCOSE AND INSULIN CONCENTRATIONS IN MAN AFTER INTRAVENOUS INJECTION OF 1.0, 0.1 AND 0.01 MG OF GLUCAGON (AUTHORS TRANSL)] Okuno G *Folia Endocrinol Jpn* 51: 202-8, 20 Apr 75 (Jpn)

GLUCAGON, PANCREATIC

- BEHAVIOR OF PANCREATIC GLUCAGON, INSULIN, AND HIGH IN LIVER CIRRHOSIS, AFTER ARGinine AND L.V. GLUCOSE. Greco AV, Ghirlanda G, Patrono C, Fedili G, Manna R *Acta Diabetol Lat* 11: 330-9, Jul-Aug 74 (Eng)

GLUCAGON RELEASE

- GLUCAGON AND INSULIN RELEASE FROM THE ALLOGRAFTED CANINE PANCREAS. Brynger H, Claes G, Lernmark A *Eur Surg Res* 7: 170-80, 1975 (Eng)

GLUCAGON RESPONSE

- GLUCAGON RESPONSE TO ARGinine AFTER TREATMENT OF DIABETES MELLITUS. Ohneda A, Ishii S, Horigome K, Yamagata S *Diabetes* 24: 811-9, Sep 75 (Eng)

GLUCAGON SECRETION

- ARGININE-STIMULATED ACUTE PHASE OF INSULIN AND GLUCAGON SECRETION. I. IN NORMAL MAN. Palmer JP, Walter RM, Ensinck JW *Diabetes* 24: 735-40, Aug 75 (Eng)

- EFFECT OF PHYSICAL EXERCISE ON SECRETION OF GROWTH HORMONE, GLUCAGON, AND CORTISOL IN OBESE AND DIABETIC CHILDREN. Garlaschi C, di Natale B, del Guercio MJ, Caccamo A, Gargantini L, Chiumello G *Diabetes* 24: 758-61, Aug 75 (Eng)

- THE INHIBITORY EFFECT OF SOMATOSTATIN ON GROWTH HORMONE, INSULIN AND GLUCAGON SECRETION IN DIABETES MELLITUS. Ward FR, Leblanc H, Yen SS *J Clin Endocrinol Metab* 41: 527-32, Sep 75 (Eng)

GLUCAGON, SHEEP

- STUDIES ON GROWTH HORMONE SECRETION. VII. EFFECTS OF SOMATOSTATIN ON PLASMA GH, INSULIN, AND GLUCAGON IN SHEEP. Bryce D, Yeh M, Funderburk C, Todd H, Hertelendy F *Diabetes* 24: 842-50, Sep 75 (Eng)

GLUCOCORTICOID

- EVIDENCE FOR GLUCOCORTICOID TRANSPORT INTO ATT-20-D-1 CELLS. Harrison RW 3d, Fairfield S, Orth DN *Biochemistry* 14: 1304-7, 25 Mar 75 (Eng)
- [LETTER: GLUCOCORTICOID AND LIPID METABOLISM] Kaiser H *Dtsch Med Wochenschr* 99: 1841, 13 Sep 74 (Ger)

GLUCOCORTICOID EFFECT

- [PROCEEDINGS: EFFECT OF GLUCOCORTICOID AND ESTROGEN ON GLUCOSE UP-

- TAKE BY THE ADIPOSE TISSUE] Umehara C, Nishikawa Y, Iki Y, Sugimoto T *Folia Endocrinol Jpn* 50: 650, 20 Feb 74 (Jpn)

GLUCOKINASE

- HEXOSE KINASES FROM RHODOTORULA GLUTINIS. IDENTIFICATION AND PROPERTIES OF AN HEXOKINASE AND A GLUCOKINASE. Mazon MJ, Gancedo JM, Gancedo C *Arch Biochem Biophys* 167: 452-7, Apr 75 (Eng)
- THE KINETICS OF COUPLED ENZYME REACTIONS. APPLICATIONS TO THE ASSAY OF GLUCOKINASE, WITH GLUCOSE 6-PHOSPHATE DEHYDROGENASE AS COUPLING ENZYME. Storer AC, Cornish-Bowden A *Biochem J* 141: 205-9, Jul 74 (Eng)

GLUCONEOGENESIS

- EFFECT OF PHENFORMIN ON GLUCONEOGENESIS FROM LACTATE AND INTRACELLULAR PH IN THE ISOLATED PERFUSED GUINEA PIG LIVER. Lloyd MH, Iles RA, Walton B, Hamilton CA, Cohen RD *Diabetes* 24: 618-24, Jul 75 (Eng)
- HORMONAL CONTROL OF CYCLIC 3:5-AMP LEVELS AND GLUCONEOGENESIS IN ISOLATED HEPATOCYTES FROM FED RATS. Pilks SJ, Claus TH, Johnson RA, Park CR *J Biol Chem* 250: 6328-36, 25 Aug 75 (Eng)
- [UREMIA TOXINS: EFFECT OF MEDIUM AND HIGH MOLECULAR FRACTIONS ON GLUCONEOGENESIS OF THE KIDNEY CORTEX SECTIONS IN THE RAT] Lamberts B, Brunner H, Heintz R *Verh Dtsch Ges Inn Med* 80: 722-5, 1974 (Ger)

GLUCONEOGENESIS, HEPATIC

- PLASMA AMINO ACID LEVELS AND DEVELOPMENT OF HEPATIC GLUCONEOGENESIS IN THE NEWBORN RAT. Girard JR, Guillet I, Marty J, Marliss EB *Am J Physiol* 229: 466-73, Aug 75 (Eng)

GLUCOPRIVATION

- HYPORESponsiveness TO GLUCOPRIVATION DURING POSTNATAL PERIOD IN THE RAT. Gil-Ad I, Udeschini G, Cocchi D, Muller EE *Am J Physiol* 229: 512-7, Aug 75 (Eng)

GLUCOPROTEIC ACCEPTOR

- ROLE OF URIDINE DIPHOSPHATE GLUCOSE IN THE BIOSYNTHESIS OF STARCH. MECHANISM OF FORMATION AND ENLARGEMENT OF A GLUCOPROTEIC ACCEPTOR. Lavintman N, Tandecarz J, Carceller M, Mendiara S, Cardini CE *Eur J Biochem* 50: 145-55, 16 Dec 74 (Eng)

GLUCOSE

- [RELATION BETWEEN GLUCOSE AND SODIUM ABSORPTION IN RENAL GLYCOSURIA (AUTHORS TRANSL)] Pav J, Sperl M *Cas Lek Cesk* 114: 939-41, 25 Jul 75 (Cze)
- [COMPARISON OF INSULIN REACTIONS IN VARIOUS DISEASES TO GLUCOSE, ARGinine, AND GLUCAGON] Taminato A, Inoue Y, Mori K, Goto K, Kurahachi H *Clin Endocrinol (Tokyo)* 23: 373-9, Apr 75 (Jpn)
- HORMONAL REGULATION OF INCORPORATION OF ALANINE-U-14C INTO GLUCOSE IN HUMAN FETAL LIVER EXPLANTS. EFFECT OF DIBUTYRYL CYCLIC AMP, GLUCAGON, INSULIN, AND TRIAMCINOLONE. Schwartz AL, Rall TW *Diabetes* 24: 650-7, Jul 75 (Eng)

Diabetes Literature—Keyword Index

GLUCOSE HOMEOSTASIS

DECREASED CYCLIC AMP AND INSULIN RESPONSE TO GLUCOSE IN ISOLATED ISLETS OF NEONATAL RATS. Grill V, Asplund K, Hellerstrom C, Cerasi E *Diabetes* 24: 746-52, Aug 75 (Eng)

[THE INFLUENCE OF ALPHA RECEPTOR BLOCKADERS ON INSULIN SECRETION STIMULATED BY GLUCOSE DURING ANESTHESIA AND SURGERY] Stremmel W *Infusionstherapie* 1: 307-13, Apr 74 (Ger)

[GLUCOSE IN PARENTERAL FEEDING] Heuckenkamp PU, Zollner N *Infusionstherapie* 1: 565-8, Oct 74 (Ger)

INTERRELATIONS OF GLUCOSE, INSULIN AND GLUCAGON AFTER OVERNIGHT FAST AND IN RESPONSE TO ORAL GLUCOSE DURING LATE PREGNANCY. Nitzan M, Freinkel N, Metzger BE, Unger RH, Faloona GR, Daniel RR *Isr J Med Sci* 11: 617-22, Jun 75 (Eng)

EFFECT OF MEAL-FEEDING ON THE DAILY VARIATIONS OF INSULIN, GLUCOSE, AND NADP-LINKED DEHYDROGENASES IN RATS. Kaul L, Berdianer CD *J Nutr* 105: 1132-40, Sep 75 (Eng)

[LACTIC ACIDOSIS TREATED WITH GLUCOSE AND INSULIN] Brubakk O, Hopen G *Tidsskr Nor Lægeforen* 95: 1412-3, 10 Sep 75 (Nor)

[THE UPTAKE OF OXYGEN AND GLUCOSE BY THE GINGIVA IN DIABETES MELLITUS WITH VARIOUS FORMS OF PERIODONTAL DISEASES] Fett KD, Hommel H, Fischer U *Stomatol DDR* 25: 267-72, Apr 75 (Ger)

[TRANSFER OF GLUCOSE FROM UDP-GLUCOSE IN MICROSOMAL MEMBRANES OF RAT HEPATOCYTES (AUTHORS TRANSL.)] Berthillier G, Azzar GJ, Got R *Eur J Biochem* 51: 275-82, 3 Feb 75 (Fre)

REGIONAL DISTRIBUTION OF ADENINE NUCLEOTIDES, GLYCOGEN, GLUCOSE AND LACTATE IN THE ADULT RAT BRAIN. Zivkoic RV, Mrsljic BB, Djuricic BM *Experientia* 31: 404-6, 15 Apr 75 (Eng)

LETTER: SUCROSE AND GLUCOSE IN DRY BREAKFAST CEREALS. Hayden EB *J Dent Child* 42: 88-90, Mar-Apr 75 (Eng)

THE MECHANISM OF ARSENATE INHIBITION OF THE GLUCOSE ACTIVE TRANSPORT SYSTEM IN *NEUROSPORA CRASSA*. Scarborough GA *Arch Biochem Biophys* 166: 245-50, Jan 75 (Eng)

THE EFFECTS OF CAPTURE, STRESS, AND STORAGE OF WHOLE BLOOD ON THE RED BLOOD CELLS, PLASMA PROTEINS, GLUCOSE, AND ELECTROLYTES OF THE WINTER FLOUNDER (PSEUDOPLEURONECTES AMERICANUS). Fletcher GL *Can J Zool* 53: 197-206, Feb 75 (Eng)

[PROCEEDINGS: GLUCOSE AND 2-KETOGLUTARATE OXIDATION IN THE HYPOTHALAMUS AND THE ANTERIOR PITUITARY LOBE] Sato A, Onaya T, Yamada T *Folia Endocrinol Jpn* 50: 259, 20 Feb 74 (Jpn)

INCORPORATION OF ¹⁴C FROM GLUCOSE INTO GLYCOGEN AND SOME AMINO ACIDS OF CEREBRAL CORTEX INFLUENCED BY POTASSIUM IONS IN VIVO. Krivanek J *Physiol Bohemoslav* 21: 615-22, 1972 (Eng)

[BLOOD LACTATE LEVEL FOLLOWING INTRAVENOUS ADMINISTRATION OF SULFONYLUREA COMPOUNDS IN EQUIPOTENT DOSES, OF GLUCOSE AND COMBINATIONS OF GLUCOSE AND SULFONYLUREA COMPOUNDS IN SUBJECTS WITH NORMAL METABOLISM] Jungmann E, Beyer J, Happ J, Scherer U, Schöffling K *Verh Dtsch Ges Inn Med* 80: 1302-4, 1974 (Ger)

D-GLUCOSE

STUDIES ON THE MECHANISM OF UPTAKE OF D-GLUCOSE BY TETRAHYMENA PYRIFORMIS GL. Aomine M *Comp Biochem Physiol [A]* 47: 1013-21, 1 Mar 74 (Eng)

GLUCOSE TRANSPORT CARRIER IN HUMAN ERYTHROCYTE MEMBRANES. DINITROPHENYLATION OF A MEMBRANE COMPONENT MODIFIED BY D-GLUCOSE. Jung CY, Carlson LM *J Biol Chem* 250: 3217-20, 10 May 75 (Eng)

IN VIVO D-GLUCOSE ABSORPTION IN THE DEVELOPING RAT SMALL INTESTINE. Younoszai MK, Lynch A *Pediatr Res* 9: 130-3, Mar 75 (Eng)

UPTAKE OF 3-O-METHYL-¹⁴C-D-GLUCOSE BY RAT THYMIC LYMPHOCYTES: INSENSITIVITY TO CORTISOL AND INHIBITORS OF RIBONUCLEIC ACID AND PROTEIN SYNTHESIS, AND SENSITIVITY TO CYTOCHALASIN B. Feldman MJ, Kraetsch RE, Lichtman MA, Peck WA *J Reticuloendothel Soc* 16: 318-26, Dec 74 (Eng)

U ¹⁴C-GLUCOSE

FOCAL DIFFERENCES IN LIPID METABOLISM OF THE YOUNG PIG AORTA. SYNTHESIS FROM [1-¹⁴C]ACETATE AND [U-¹⁴C]GLUCOSE IN VITRO. Somer JB, Bell FP, Schwartz CJ *Atherosclerosis* 20: 11-21, Jul-Aug 74 (Eng)

GLUCOSE, BLOOD

[COMPARISON OF BLOOD GLUCOSE AND INSULIN CONCENTRATIONS IN MAN AFTER INTRAVENOUS INJECTION OF 1.0, 0.1 AND 0.01 MG OF GLUCAGON (AUTHORS TRANSL.)] Okuno G *Folia Endocrinol Jpn* 51: 202-8, 20 Apr 75 (Jpn)

INHIBITORY EFFECT OF PREDNISONE ON INSULIN SECRETION IN MAN: MODEL FOR DUPLICATION OF BLOOD GLUCOSE CONCENTRATION. Kalhan SC, Adam PA *J Clin Endocrinol Metab* 41: 600-10, Sep 75 (Eng)

[ALTERATIONS IN PLASMA INSULIN AND BLOOD GLUCOSE DURING ANESTHESIA AND SURGERY] Gosheva-Antonova Ts, Turkolev N *Khirurgia (Sofia)* 27: 487-92, 1974 (Bul)

INTERACTION OF ENDOGENOUS GROWTH HORMONE, CORTISOL, AND CATECHOLAMINES WITH BLOOD GLUCOSE IN CHILDREN WITH BRITTLE DIABETES MELLITUS. Bruck E, MacGillivray MH *Pediatr Res* 9: 535-41, Jun 75 (Eng)

THE EFFECT OF ORAL ALANINE ON BLOOD GLUCOSE AND GLUCAGON IN THE HUMAN NEWBORN INFANT. Fiser RH, Williams PR, Fisher DA, DeLameter PV, Sperling MA, Oh W *Pediatrics* 56: 78-81, Jul 75 (Eng)

[BLOOD GLUCOSE CURVE IN PATIENTS WITH INTRACTABLE CORONARY FAILURE] Slidziewski K, Kraszewska Z, Lada W *Pol Tyg Lek* 30: 1479-81, 8 Sep 75 (Pol)

[BLOOD GLUCOSE AND IMMUNOREACTIVE INSULIN IN CHILDREN WITH DIABETIC SIBLINGS AND DIABETIC MOTHERS (AUTHORS TRANSL.)] Waldhausl W, Rosenkranz A, Dudczak R *Z Kinderheilkd* 120: 59-68, 1 Jul 75 (Ger)

A NEW CONCEPT FOR THE EVALUATION OF THE BLOOD GLUCOSE AND INSULIN RESPONSES OF HEALTHY SUBJECTS FOLLOWING AN ORAL GLUCOSE LOAD. Szabo O, Oppermann W, Victor C, Camerini-Davalos RA *Acta Diabetol Lat* 11: 265-76, Jul-Aug 74 (Eng)

THE INFLUENCE OF SEROTONIN ON INSULIN-STIMULATED GASTRIC SECRETION, BLOOD GLUCOSE AND SERUM ELECTROLYTE LEVELS IN THE UNANESTHETIZED RAT. Hano J, Bugajski J, Danek L, Wantuch C *Arch Int Pharmacodyn Ther* 216: 28-39, Jul 75 (Eng)

[THE PHYSIOLOGY OF THE ISOLATED DOG PANCREAS—THE INFLUENCE OF THE ACTUAL BLOOD GLUCOSE LEVEL ON THE BLOOD CIRCULATION IN THE PANCREAS] Hempling H, Husemann B *Arzneim Forsch* 25: 916-8, Jun 75 (Ger)

ACUTE COLD EXPOSURE AND THE METABOLISM OF BLOOD GLUCOSE, LACTATE AND PYRUVATE, AND PLASMA AMINO ACIDS IN THE HIND LEG OF THE FED AND FASTED YOUNG OX. Bell AW, Gardner JW, Manson W, Thompson GE *Br J Nutr* 35: 207-17, Mar 75 (Eng)

[EFFECT OF THERAPEUTIC DOSES OF PROPRANOLOL ON BLOOD GLUCOSE LEVEL] Kondrak R *Wiad Lek* 28: 461-4, 15 Mar 75 (Pol)

GLUCOSE DETERMINATION

[DESCRIPTION OF A METHOD FOR THE DETERMINATION OF GLUCOSE AND ALPHA-GLUCOSIDASE (AUTHORS TRANSL.)] Flores-Carreón A, Ruiz-Herrera J *Rev Lat Am Microbiol* 16: 187-8, Oct-Dec 74 (Spa)

GLUCOSE DIET

[KARYOMETRIC STUDIES OF THE PANCREAS AND ADRENAL GLANDS OF THE ALBINO-RAT FED AN UNBALANCED GLUCOSE DIET OR A GLUCOSE DIET SUPPLEMENTED WITH THIAMINE] Hildebrand R *Anat Anz* 137: 187-95, 1975 (Ger)

GLUCOSE EFFECT

EFFECT OF GLUCOSE ON THE GROWTH HORMONE RESPONSE TO L-DOPA IN NORMAL AND DIABETIC SUBJECTS. Ajlouni K, Martinson DR, Hagen TC *Diabetes* 24: 633-6, Jul 75 (Eng)

EFFECT OF GLUCOSE AND ANTI-INSULIN SERUM ON INSULIN RELEASED FROM ADULT RAT ISOLATED ISLETS OF LANGERHANS IN LONG-TERM ORGAN CULTURE (FOURTEEN DAYS). Turcot-Lemay L, Lacy PE *Diabetes* 24: 658-63, Jul 75 (Eng)

DUAL EFFECTS OF GLUCOSE ON DICARBOXYLIC ACID TRANSPORT IN *KLUYVEROMYCES LACTIS*. Zmijewski MJ Jr, MacQuillan AM *Can J Microbiol* 21: 473-80, Apr 75 (Eng)

EFFECT OF GLUCOSE IN ISOPROTERENOL-INDUCED NECROTIC HEART UNDER ANOXIC PERFUSION. Tsuboi T, Osawa Y, Ishikawa K, Yoshida K, Shimizu M *Jpn J Pharmacol* 24: 803-8, Oct 74 (Eng)

[PROCEEDINGS: EFFECTS OF GLUCOSE AND ARGinine ON SYNTHESIS AND SECRETION OF PITUITARY GROWTH HORMONE AND PROLACTIN IN RATS] Kasai K, Ieiri S, Yamamoto K *Folia Endocrinol Jpn* 50: 285, 20 Feb 74 (Jpn)

GLUCOSE HOMEOSTASIS

GASTRIC OPERATIONS AND GLUCOSE HOMEOSTASIS. II. GLUCAGON AND SECRETIN. Breuer RI, Zuckerman L, Hauch TW, Green W, O'Gara P, Lawrence AM, Foa PP, Matsuyama T *Gastroenterology* 69: 598-606, Sep 75 (Eng)

Diabetes Literature—Keyword Index

GLUCOSE INTOLERANCE

GLUCOSE INTOLERANCE

GLUCOSE INTOLERANCE IN THE CARCINOID SYNDROME. Feldman JM, Plonk JW, Bivens CH, Lebovitz HE *Diabetes* 24: 664-71, Jul 75 (Eng)

GLUCOSE INTOLERANCE IN THE HEMODIALYZED PATIENT: A BRIEF OVERVIEW. Westervelt FB Jr *Kidney Int [Suppl]* 70-2, Oct 74 (Eng) [19]

GLUCOSE, INTRAVENOUS

BEHAVIOR OF PANCREATIC GLUCAGON, INSULIN, AND HGH IN LIVER CIRRHOSIS, AFTER ARGININE AND L.V. GLUCOSE. Greco AV, Ghirlanda G, Patrono C, Fedili G, Manna R *Acta Diabetol Lat* 11: 330-9, Jul-Aug 74 (Eng)

GLUCOSE LOAD

[CHANGES IN THE FATTY ACID COMPOSITION OF SERUM FREE FATTY ACID AFTER GLUCOSE LOAD (AUTHORS TRANSL.) Kato K, Kikuchi S, Takeyama N, Komatsu T *Jpn J Clin Pathol* 22: 886-8, Dec 74 (Jpn)

GLUCOSE LOAD, INTRAVENOUS

DYNAMICS OF CANINE PANCREATIC BLOOD FLOW AND OF INSULIN SECRETION DURING AN INTRAVENOUS GLUCOSE LOAD. Fischer U, Hommel H, Schmid E *Pfluegers Arch* 358: 89-100, 9 Jul 75 (Eng)

GLUCOSE LOADING

[GROWTH HORMONE AND INSULIN CURVE FOLLOWING GLUCOSE LOADING IN PATIENTS WITH ACROMEGALY] Kolaszynski J, Owczarczyk I, Pawlikowski M *Endokrynol Pol* 26: 265-9, May-Jun 75 (Pol)

MATERNAL AND FETAL RESPONSE TO RAPID GLUCOSE LOADING IN PREGNANCY AND LABOR. Zakut H, Mashiach S, Blankstein J, Serr DM *Isr J Med Sci* 11: 632-7, Jun 75 (Eng)

GLUCOSE METABOLISM

[INFLUENCE OF OVULATION INHIBITORS ON GLUCOSE METABOLISM] Hausmann L, Kafarnik H *Dtsch Med Wochenschr* 100: 1703-9, 22 Aug 75 (Ger) [59]

INSULIN AND GLUCOSE METABOLISM IN RENAL INSUFFICIENCY. Reaven GM, Weisinger JR, Swenson RS *Kidney Int [Suppl]* 63-9, Oct 74 (Eng) [39]

[INDICATORS OF THE CONDITION OF CONNECTIVE TISSUE AND THE ACTIVITY OF THE PENTOSE CYCLE OF GLUCOSE METABOLISM IN PATIENTS WITH DIABETES MELLITUS] Dozoretz IuL, Okorokov AN, Bobkov VJa, Rubkin M *Sov Med* 57-60, Jun 75 (Rus)

METABOLISM OF GLUCOSE AND FATTY ACID BY LEUKOCYTES FROM PATIENTS WITH ENDOGENOUS HYPERTRIGLYCERIDEMIA. Burns CP, Welshman IR, Spector AA *J Lab Clin Med* 85: 598-609, Apr 75 (Eng)

EFFECTS UPON GLUCOSE METABOLISM OF FEEDING A LOW- OR HIGH-ROUGHAGE DIET AT TWO LEVELS OF INTAKE TO SHEEP. Evans E, Buchanan-Smith JG *Br J Nutr* 33: 33-44, Jan 75 (Eng)

[PROCEEDINGS: PROTEIN BINDING OF CORTISOL AND GLUCOSE METABOLISM INHIBITON BY THYMIC CELLS] Senoo H, Niimi M, Matsui N *Folia Endocrinol Jpn* 50: 339, 20 Feb 74 (Jpn)

GLUCOSE METABOLISM DISORDER

[RELATIONSHIP BETWEEN UREMIA POLYNEUROPATHY, UREMIC GLUCOSE METABOLISM DISORDER AND SEVERITY OF UREMIC INTOXICATION IN DIALYSIS PATIENTS] Goubeaud G, Kunze K, Hohmann KH, Schutterle G, Biro G *Verh Dtsch Ges Inn Med* 80: 728-31, 1974 (Ger)

GLUCOSE METABOLISM, NEWBORN

CARBOHYDRATE METABOLISM IN PREGNANCY. PART II. RELATION BETWEEN MATERNAL GLUCOSE TOLERANCE AND GLUCOSE METABOLISM IN THE NEWBORN. Anonymous *Br Med J* 3: 402-4, 16 Aug 75 (Eng)

GLUCOSE OXIDATION

STIMULATION OF GLUCOSE OXIDATION IN HUMAN POLYMORPHONUCLEAR LEUCOCYTES BY C3-SEPHAROSE AND SOLUBLE C567. Tedesco F, Trani S, Soranzo MR, Patriarca P *FEBS Lett* 51: 232-6, 1 Mar 75 (Eng)

GLUCOSE PATTERN

PATTERN OF CSF GLUCOSE CONCENTRATION AFTER INDUCED HYPERGLYCAEMIA IN PATIENTS WITH ACUTE MENINGITIS AND EVIDENCE OF CEREBROSPINAL CANAL OBSTRUCTION. Contoyiannis PA, Adamopoulos DA, Leventis AS *Eur Neurol* 13: 476-80, 1975 (Eng)

GLUCOSE PATTERN, CEREBROSPINAL FLUID

PATTERN OF CSF GLUCOSE CONCENTRATION AFTER INDUCED HYPERGLYCAEMIA IN PATIENTS WITH ACUTE MENINGITIS AND EVIDENCE OF CEREBROSPINAL CANAL OBSTRUCTION. Contoyiannis PA, Adamopoulos DA, Leventis AS *Eur Neurol* 13: 476-80, 1975 (Eng)

GLUCOSE, PLASMA

THE PANCREATIC INSULIN CONTENT AND ITS RELATIONSHIP TO PLASMA GLUCOSE AND FREE FATTY ACID CONCENTRATIONS IN THE EMBRYO AND NEONATAL CHICK. Langslow DR *Br Poult Sci* 16: 329-33, Jul 75 (Eng)

CHANGES IN PLASMA CORTISOL, GLUCOSE AND FREE FATTY ACIDS AFTER CAFFEINE INGESTION IN OBESE WOMEN. Oberman Z, Herzberg M, Jaskolka H, Harell A, Hoerer E, Laurian L *Isr J Med Sci* 11: 33-6, Jan 75 (Eng)

GLUCOSE PROFILE, PLASMA

CARBOHYDRATE METABOLISM IN PREGNANCY. PART I. DIURNAL PLASMA GLUCOSE PROFILE IN NORMAL AND DIABETIC WOMEN. Gillmer MD, Beard RW, Brooke FM, Oakley NW *Br Med J* 3: 399-402, 16 Aug 75 (Eng)

GLUCOSE REGULATION

GLUCOSE REGULATION BY ISOLATED NEAR TERM FETAL MONKEY LIVER. Glinsmann WH, Eisen HJ, Lynch A, Chez RA *Pediatr Res* 9: 600-4, Jul 75 (Eng)

GLUCOSE STIMULATION

THE SIGNIFICANCE OF CALCIUM FOR GLUCOSE STIMULATION OF INSULIN RELEASE. Hellman B *Endocrinology* 97: 392-8, Aug 75 (Eng)

GLUCOSE SYNTHESIS

PROCEEDINGS: THE EFFECT OF CASEIN AND AMINO ACIDS ON GLUCOSE SYNTHESIS IN SHEEP. Lindsay DB, Dyke C *Proc Nutr Soc* 33: 39a-40a, Sep 74 (Eng)

GLUCOSE TOLERANCE

ACUTE-PHASE INSULIN SECRETION AND GLUCOSE TOLERANCE IN YOUNG AND AGED NORMAL MEN AND DIABETIC PATIENTS. Palmer JP, Ensink JW *J Clin Endocrinol Metab* 41: 498-503, Sep 75 (Eng)

[GLUCOSE TOLERANCE AND THYROID FUNCTION] Voss C, Lorenz C, Ratzmann L, Hartmann N *Acta Biol Med Ger* 33: 515-20, 1974 (Ger)

GLUCOSE TOLERANCE, MATERIAL

CARBOHYDRATE METABOLISM IN PREGNANCY. PART II. RELATION BETWEEN MATERNAL GLUCOSE TOLERANCE AND GLUCOSE METABOLISM IN THE NEWBORN. Anonymous *Br Med J* 3: 402-4, 16 Aug 75 (Eng)

GLUCOSE TOLERANCE TEST

AGE-ADJUSTED ANALYSIS OF INSULIN RESPONSES DURING NORMAL AND ABNORMAL GLUCOSE TOLERANCE TESTS IN CHILDREN AND ADOLESCENTS. Rosenbloom AL, Wheeler L, Bianchi R, Chin FT, Tiwary CM, Grgic A *Diabetes* 24: 820-8, Sep 75 (Eng)

GLUCOSE TOLERANCE TEST, ORAL

[POINT-SCORING SYSTEM FACILITATING EVALUATION OF THE ORAL GLUCOSE TOLERANCE TEST] Pav J, Pelant J *Cas Lek Cesk* 114: 731-4, 13 Jun 75 (Cze)

SIGNIFICANCE OF THE ORAL GLUCOSE TOLERANCE TEST PERFORMED ON THE THIRD DAY AFTER DELIVERY FOR THE DIAGNOSIS OF DIABETES IN PREGNANCY. Salzberger M, Sharon A, Liban E *Isr J Med Sci* 11: 629-31, Jun 75 (Eng)

GLUCOSE UPTAKE

EFFECTS OF N-ETHYLMALIMIDE ON LIPOLYSIS AND GLUCOSE UPTAKE IN RAT ADIPOSE TISSUE. Giudicelli Y, Fieux MN, Nordmann R *Biomedicine [Express]* 21: 452-6, 20 Nov 74 (Eng)

PTSX: A GENE INVOLVED IN THE UPTAKE OF GLUCOSE AND FRUCTOSE BY ESCHERICHIA COLI. Kornberg HL, Jones-Mortimer MC *FEBS Lett* 51: 1-4, 1 Mar 75 (Eng)

GLUCOSE UPTAKE IN THE BRAINSTEM OF THIAMINE-DEFICIENT RATS. Robertson DM, Manz HJ, Haas RA, Meyers N *Am J Pathol* 79: 107-18, Apr 75 (Eng)

[PROCEEDINGS: EFFECT OF GLUCOCORTICOID AND ESTROGEN ON GLUCOSE UPTAKE BY THE ADIPOSE TISSUE] Umehara C, Nishikawa Y, Iki Y, Sugimoto T *Folia Endocrinol Jpn* 50: 650, 20 Feb 74 (Jpn)

RELATIONSHIP BETWEEN FREE FATTY ACIDS AND GLUCOSE UPTAKE BY RAT KIDNEY CORTEX SLICES. Chorvathova V, Ondreicha R, Dzurik R *Physiol Bohemoslov* 21: 629-32, 1972 (Eng)

GLUCOSE UTILIZATION

GLUCOSE AND FREE FATTY ACID UTILIZATION IN EXERCISE. STUDIES IN NORMAL

Diabetes Literature—Keyword Index

GLYCOSURIA, RENAL

GLYCOLYTIC ENZYME

- ACTIVITIES OF SOME GLYCOLYTIC ENZYMES IN THE MAJOR SALIVARY GLANDS OF SOME LABORATORY ANIMALS. Nicolau J, Lansac MC, Rosa R, Pedroso FI, Leal A *Comp Biochem Physiol [A]* 47: 399-402, 1 Feb 74 (Eng)
- ERYTHROCYTE METABOLISM IN THE YELLOW PERCH (*PERCA FLAVESCENS MITCHELL*). I. GLYCOLYTIC ENZYMES. Bachand L, Leray C *Comp Biochem Physiol [B]* 50: 567-70, 15 Apr 75 (Eng)

GLYCOPEPTIDE

- GLYCOPROTEIN BIOSYNTHESIS: STUDIES ON THYROID MANNOSYLTRANSFERASES. I. ACTION ON GLYCOPEPTIDES AND SIMPLE GLYCOSIDES. Adamany AM, Spiro RG *J Biol Chem* 250: 830-41, 25 Apr 75 (Eng)

GLYCOPROTEIN

- GLYCOPROTEIN BIOSYNTHESIS: STUDIES ON THYROID MANNOSYLTRANSFERASES. I. ACTION ON GLYCOPEPTIDES AND SIMPLE GLYCOSIDES. Adamany AM, Spiro RG *J Biol Chem* 250: 830-41, 25 Apr 75 (Eng)
- LIPOLIPIN: A GLYCOPROTEIN INHIBITOR OF POSTHEPARIN PLASMA LIPOPROTEIN LIPASE. Wagh PV *Adv Exp Med Biol* 52: 281-8, 1975 (Eng)

- THE ROLE OF GLUCOLIPID IN THE BIOSYNTHESIS OF GLYCOPROTEIN IN TETRAHYMENA PYRIFORMIS. Keenan RW, Kruczek M, Fusinato L *Arch Biochem Biophys* 167: 697-705, Apr 75 (Eng)

- SYNTHESIS AND ASSEMBLY OF HELA CELL PLASMA MEMBRANE GLYCOPROTEINS AND PROTEINS. Atkinson PH *J Biol Chem* 250: 2123-34, 25 Mar 75 (Eng)

MN-GLYCOPROTEIN

- THE EFFECTS OF THE MEMBRANE-PENETRATING POLYPEPTIDE SEGMENT OF THE HUMAN ERYTHROCYTE MN-GLYCOPROTEIN ON THE PERMEABILITY OF MODEL LIPID MEMBRANES. Lea EJA, Rich GT, Segrest JP *Biochim Biophys Acta* 382: 41-50, 28 Feb 75 (Eng)

GLYCOPROTEIN, MEMBRANE

- THE PARTICIPATION OF LIPID-LINKED OLIGOSACCHARIDE IN SYNTHESIS OF MEMBRANE GLYCOPROTEINS. Lucas JJ, Waechter J, Lennarz WJ *J Biol Chem* 250: 1992-2002, 25 Mar 75 (Eng)

GLYCOPROTEIN METABOLISM

- THE EFFECTS OF LOW CONCENTRATIONS OF 2-DEOXY-D-GLUCOSE ON THE GROWTH, SURFACE ARCHITECTURE, AND GLYCOPROTEIN METABOLISM OF P388 LYMPHOMA CELLS. Myers MW, Sartorelli AC *Biochem Biophys Res Commun* 63: 164-71, 3 Mar 75 (Eng)

GLYCOSAMINOGLYCAN

- GLYCOSAMINOGLYCANS AND ARTERIAL DISEASE. Robinson RW, Likar IN, Likar LJ *Monogr Atheroscler* 5: v-viii, 1-136, 1975 (Eng) [482]

GLYCOSURIA, RENAL

- [RELATION BETWEEN GLUCOSE AND SODIUM ABSORPTION IN RENAL GLYCOSURIA (AUTHORS TRANSL)] Pav J, Sperl M *Cas Lek Cesk* 114: 939-41, 25 Jul 75 (Cze)

- AND DIABETIC MAN. Wahren J, Hagenfeldt L, Felig P *Int J Med Sci* 11: 551-9, Jun 75 (Eng)

- [INFLUENCE OF INDOLE-3-ALKANECARBOXYLIC ACIDS ON GLUCOSE UTILIZATION IN RATS] Losert W, Kraaz W *Arzneim Forsch* 25: 880-7, Jun 75 (Ger)

GLUCOSE-INSULIN-POTASSIUM SOLUTION

- ADMINISTRATION OF GLUCOSE-INSULIN-POTASSIUM SOLUTION (GIK) AND VALVE REPLACEMENT IN PATIENTS WITH ADVANCED VALVULAR DISEASE. Asano K, Sakashita I, Ando T *J Cardiovasc Surg (Torino) SPEC NO*: 370-3, 1975 (Eng)

GLUTATHIONE EFFECT

- THE EFFECT OF DIAMIDE AND GLUTATHIONE ON THE UPTAKE OF ALPHA-METHYL-D-GLUCOSIDE BY SLICES OF RAT KIDNEY CORTEX. Pillion DJ, Leibach FH *Biochim Biophys Acta* 382: 246-52, 13 Mar 75 (Eng)

GLUTATHIONE METABOLISM

- ORGANIZATION OF ENZYMES OF GLYCOLYSIS AND OF GLUTATHIONE METABOLISM IN HUMAN RED CELL MEMBRANES. Tillman W, Cordua A, Schroter W *Biochim Biophys Acta* 382: 157-71, 13 Mar 75 (Eng)

GLYCEMIC CYCLE

- CONTROL OF DIABETIC PATIENTS: COMPARISON OF INFORMATION OBTAINED FROM FASTING BLOOD SUGAR LEVEL AND THE GLYCEMIC CYCLE. Mejean L, Drouin P, Martin JM, Debry G *Acta Diabetol Lat* 11: 340-6, Jul-Aug 74 (Eng)

GLYCEROL

- LETTER: GLYCEROL, CEREBRAL OEDEMA, AND DIABETES. Hurwitz BJ, Rottenberg DA *Lancet* 2: 269, 23 Aug 75 (Eng)

- ACUTE RENAL INSUFFICIENCY IN THE RABBIT BY GLYCEROL. Gras J, Tuset N, de Vega F, Cisar F, Navarro J, del Valle O *Rev Esp Fisiol* 31: 1-3, Mar 75 (Eng)

GLYCID

- [GLYCIDES AND HYPERTENSION (AUTHORS TRANSL)] Lazarov N *Cas Lek Cesk* 114: 11-4, 3 Jan 75 (Cze)

GLYCID METABOLISM

- [RELATIONSHIP OF THE PROSTAGLANDINS TO THE LIPID AND GLYCID METABOLISM, ADHESIVENESS AND AGGREGATION OF THE BLOOD PLATELETS AND INFLAMMATORY REACTION] Masek K *Cas Lek Cesk* 114: 23-6, 3 Jan 75 (Cze)

GLYCOGEN

- INSULIN AND HYDROCORTISONE EFFECTS ON VIABILITY AND GLYCOGEN STORES OF POSTNATAL RAT LIVER ORGAN CULTURE. Reed GB, Grisham JW *Lab Invest* 33: 298-304, Sep 75 (Eng)

- REGIONAL DISTRIBUTION OF ADENINE NUCLEOTIDES, GLYCOGEN, GLUCOSE AND LACTATE IN THE ADULT RAT BRAIN. Zivkoic RV, Mislulja BB, Djuricic BM *Experientia* 31: 404-6, 15 Apr 75 (Eng)

- INCORPORATION OF ¹⁴C FROM GLUCOSE INTO GLYCOGEN AND SOME AMINO ACIDS OF CEREBRAL CORTEX INFLUENCED BY

- POTASSIUM IONS IN VIVO. Krivanek J *Physiol Bohemoslov* 21: 615-22, 1972 (Eng)

GLYCOGEN, HEPATIC

- IN VITRO STIMULATION OF HEPATIC GLYCOGEN PHOSPHORYLASE ACTIVITY BY EPINEPHRINE AND GLUCAGON IN THE KILLIFISH, *FUNDULUS HETEROCLOTUS*. Umminger BL, Benziger D, Levy S *Comp Biochem Physiol [C]* 51: 111-5, 1 Jun 75 (Eng)

GLYCOGEN METABOLISM

- GLYCOGEN METABOLISM AND THE EFFECT OF NITROGLYCERIN ON THE GLYCOGEN METABOLISM IN THE NORMAL AND ISCHEMIC CANINE MYOCARDIUM. Ichihara K, Abiko Y *Experientia* 31: 477-9, 15 Apr 75 (Eng)

- [PROCEEDINGS: SIGNIFICANCE OF GLYCOGEN METABOLISM OF THE ANTERIOR PITUITARY LOBE IN THE MECHANISMS OF LH AND FSH RELEASE] Makino T, Takahata H, Shiina M, Iizuka R, Ono T *Folia Endocrinol Jpn* 50: 260, 20 Feb 74 (Jpn)

- THE EFFECT OF PHYSICAL EXERCISE ON GLYCOGEN METABOLISM IN THE RAT LIVER. Bobilewicz D, Ranc-Bukowska E, Obuchowicz B *Acta Physiol Pol* 25: 29-38, Jan-Feb 74 (Eng)

GLYCOGEN SYNTHASE

- EFFECTS OF GROUP-SELECTIVE REAGENTS ON RABBIT MUSCLE GLYCOGEN SYNTHASE. Larnar J, Benjamin D, Rossini L *Mol Cell Biochem* 6: 65-70, 31 Jan 75 (Eng)

GLYCOGEN SYNTHESIS

- EVIDENCE FOR THE ALLOSTERIC REGULATION OF GLYCOGEN SYNTHESIS IN THE INTACT *ESCHERICHIA COLI* CELL. AGREEMENT OF THE VALUES OF THE PARAMETERS OF THE HILL EQUATION FITTED TO DATA FOR GLYCOGEN SYNTHESIS IN VIVO WITH THE AVAILABLE VALUES OBTAINED IN VITRO WITH ADENOSINE DIPHOSPHOGLUCOSE SYNTHETASE. Dietzler DN, Leckie MP, Lais CJ, Magnani JL *J Biol Chem* 250: 2383-7, 25 Mar 75 (Eng)

GLYCOLYSIS

- COENZYME SPECIFICITY IN THE GLYCOLYSIS OF INTRAOCULAR FLUIDS. Gershbein LL, Dan TC *Res Commun Chem Pathol Pharmacol* 10: 155-61, Jan 75 (Eng)

- CEREBRAL METABOLISM IN HYPOXIC HYPOXIA. I. PATTERN OF ACTIVATION OF GLYCOLYSIS: A RE-EVALUATION. Norberg K, Siesjö BK *Brain Res* 86: 31-44, 14 Mar 75 (Eng)

GLYCOLYSIS, ANAEROBIC

- [EFFECT OF HYDROCORTISONE ADMINISTRATION ON THE RATE OF ANAEROBIC GLYCOLYSIS IN RAT CEREBRAL CORTEX SECTIONS] Bogdanova TS, Emelianov NA *Probl Endokrinol (Mosk)* 20: 74-6, May-Jun 74 (Rus)

GLYCOLYSIS ENZYME

- ORGANIZATION OF ENZYMES OF GLYCOLYSIS AND OF GLUTATHIONE METABOLISM IN HUMAN RED CELL MEMBRANES. Tillman W, Cordua A, Schroter W *Biochim Biophys Acta* 382: 157-71, 13 Mar 75 (Eng)

GOLDTHIOGLUCOSE EFFECT

GOLDTHIOGLUCOSE EFFECT

EFFECT OF GOLDTHIOGLUCOSE ON LONG-TERM CULTURES OF MOUSE HYPOTHALAMUS. Geller HM, Cechner RL, Fleming DG *Neurobiology* 2: 154-61, 1972 (Eng)

GONAD STIMULATING HORMONE

[PROCEEDINGS: DEFICIENCIES OF GROWTH HORMONE, THYROID STIMULATING HORMONE AND GONAD STIMULATING HORMONE IN A BROTHER AND SISTER] Shishiba Y, Shimizu T, Ozawa Y, Kawabata T *Folia Endocrinol Jpn* 50: 625, 20 Feb 74 (Jpn)

GONADAL HORMONE EFFECT

EFFECT OF GONADAL HORMONES ON ENZYME ACTIVITIES IN BRAIN AND PITUITARY OF MALE AND FEMALE RATS. Luine VN, Khychevskaya RI, McEwen BS *Brain Res* 86: 283-92, 21 Mar 75 (Eng)

GONADOTROPIN SECRETION

[ROLE OF THE HYPOTHALAMUS IN THE REGULATION OF PITUITARY GONADOTROPINS SECRETION] Jutisz M *Endokrynol Pol* 25: 437-47, Nov-Dec 74 (Pol)

GROWTH HORMONE

[GROWTH HORMONE AND INSULIN CURVE FOLLOWING GLUCOSE LOADING IN PATIENTS WITH ACROMEGALY] Kolaszynski J, Owczarczyk I, Pawlikowski M *Endokrynol Pol* 26: 265-9, May-Jun 75 (Pol)

RADIORECEPTOR-INACTIVE GROWTH HORMONE ASSOCIATED WITH STIMULATED SECRETION IN NORMAL SUBJECTS. Sneid DS, Jacobs LS, Weldon VV, Trivedi BL, Daughaday H J *Clin Endocrinol Metab* 41: 471-4, Sep 75 (Eng)

INTERACTION OF ENDOGENOUS GROWTH HORMONE, CORTISOL, AND CATECHOLAMINES WITH BLOOD GLUCOSE IN CHILDREN WITH BRITTLE DIABETES MELLITUS. Bruck E, MacGillivray MH *Pediatr Res* 9: 535-41, Jun 75 (Eng)

STUDIES ON THE COMMON ACTIVE SITE OF GROWTH HORMONE. REVISION OF THE AMINO ACID SEQUENCE OF AN ACTIVE FRAGMENT OF BOVINE GROWTH HORMONE. Yamasaki N, Shimanaka J, Sonenberg M *J Biol Chem* 250: 2510-4, 10 Apr 75 (Eng)

GROWTH HORMONE AND CORTISOL IN NEONATES DURING PHOTOTHERAPY. von Muhlendahl KE, Ballowitz L *Z Kinderheilkd* 119: 53-8, 1975 (Eng)

QUANTITATIVE ULTRASTRUCTURAL STUDY OF THE ADRENAL CORTEX: EFFECTS OF A MAMMOTROPIC PITUITARY TUMOR PRODUCING GROWTH HORMONE AND PROLACTIN (MTT-W10), AND OF INJECTED GROWTH HORMONE IN THE RAT. Nickerson PA *Albrecht von Graefes Arch Klin Ophthalmol* 194: 52-62, 1975 (Eng)

[ANALYSIS OF GROWTH HORMONE BY THE TIBIA TEST: IMPORTANCE OF THE CHOICE OF ANIMALS] Charrier J *Ann Biol Anim Biochim Biophys* 14: 371-5, 1974 (Fre)

CONVERSION OF [125I]GROWTH HORMONE INTO HIGH MOLECULAR WEIGHT FORMS IN VIVO. Antoniadou HN *Endocrinology* 96: 799-802, Mar 75 (Eng)

[PROCEEDINGS: RADIORECEPTOR ASSAY OF GROWTH HORMONE AND PROLACTIN (2)] Matsuzaki F, Suzuki K *Folia Endocrinol Jpn* 50: 178, 20 Feb 74 (Jpn)

[PROCEEDINGS: EFFECT OF NICOTINE ON GROWTH HORMONE AND PROLACTIN SECRETION IN RATS] Kato Y, Chihara K, Maeda K, Daigo K, Imura H *Folia Endocrinol Jpn* 50: 266, 20 Feb 74 (Jpn)

[PROCEEDINGS: GROWTH HORMONE (CGH) SECRETION IN THE DOG DURING SLEEPING. 3. THE EFFECT OF LIGHT, DARKNESS AND SLEEP INTERRUPTION] Takahashi K, Takahashi Y, Hoda H, Tsushima T, Irie M *Folia Endocrinol Jpn* 50: 273, 20 Feb 74 (Jpn)

[PROCEEDINGS: EFFECT OF PITUITARY STALK SECTION ON GROWTH HORMONE AND CORTISOL SECRETION IN RHESUS MONKEY] Kuwayama A, Shintani A, Kageyama N, Zervas NT *Folia Endocrinol Jpn* 50: 280, 20 Feb 74 (Jpn)

[PROCEEDINGS: FLUCTUATION OF GROWTH HORMONE LEVELS IN THE BLOOD CAUSED BY EXERCISES WITH SPECIAL REFERENCE TO SEX DIFFERENCES] Ino T, Tokoro A, Iki Y, Sugimoto T, Umehara C *Folia Endocrinol Jpn* 50: 281, 20 Feb 74 (Jpn)

[PROCEEDINGS: ETIOLOGICAL CONSIDERATION IN ACROMEGALY: ON THE MULTIRECEPTOR OF THE GROWTH HORMONE SECRETING CELLS] Onaya T, Tsukui T, Sato A, Kobayashi R, Iwasa Y *Folia Endocrinol Jpn* 50: 282, 20 Feb 74 (Jpn)

[PROCEEDINGS: RADIOIMMUNOASSAY OF GROWTH HORMONE AND PROLACTIN IN THE CULTURE FLUID DERIVED FROM PITUITARY TUMOR] Idemura R, Ichikawa K, Maeda T, Odagiri E, Suda T *Folia Endocrinol Jpn* 50: 289, 20 Feb 74 (Jpn)

[PROCEEDINGS: RESPONSES OF PLASMA ACTH, GH, LH, FSH, TSH AND PROLACTIN IN CUSHINGS SYNDROME] Hashimoto K, Asaoka K, Mori M, Yokoyama M, Miyoshi M *Folia Endocrinol Jpn* 50: 537, 20 Feb 74 (Jpn)

[PROCEEDINGS: DEFICIENCIES OF GROWTH HORMONE, THYROID STIMULATING HORMONE AND GONAD STIMULATING HORMONE IN A BROTHER AND SISTER] Shishiba Y, Shimizu T, Ozawa Y, Kawabata T *Folia Endocrinol Jpn* 50: 625, 20 Feb 74 (Jpn)

INHIBITION OF GROWTH HORMONE AND THYROTROPIN RELEASE BY GROWTH HORMONE-RELEASE INHIBITING HORMONE. Belanger A, Labrie F, Borgeat P, Savary M, Cote J, Drouin J, Schally AV, Coy DH, Coy EJ, Sestanj K, Nelson V, Gotz M, Immer H *Mol Cell Endocrinol* 1: 329-39, Oct 74 (Eng)

THE EFFECT OF THYROCALCITONIN AND GROWTH HORMONES ON BONE METABOLISM. Klein IE *J Prosthet Dent* 33: 365-79, Apr 75 (Eng)

CIRCADIAN VARIATION OF INTEGRATED CONCENTRATION OF GROWTH HORMONE IN CHILDREN AND ADULTS. Plotnick LP, Thompson RG, Kowarski A, de Lacerda L, Migeon CJ, Blizzard RM *Nature* 253: 240-7, 13 Feb 75 (Eng)

GROWTH HORMONE, BOVINE

EFFECTS OF BOVINE GROWTH HORMONE, HUMAN PLACENTAL LACTOGEN AND OVINE PROLACTIN ON INTESTINAL FLUID AND ION TRANSPORT IN THE RAT. Mainoya JR *Endocrinology* 96: 1165-70, May 75 (Eng)

STUDIES ON THE COMMON ACTIVE SITE OF GROWTH HORMONE. REVISION OF THE AMINO ACID SEQUENCE OF AN ACTIVE FRAGMENT OF BOVINE GROWTH HORMONE. Yamasaki N, Shimanaka J, Sonenberg M *J Biol Chem* 250: 2510-4, 10 Apr 75 (Eng)

GROWTH HORMONE DEFICIENCY

[PROCEEDINGS: ISOLATED GROWTH HORMONE DEFICIENCY IN 2 SETS OF SIBLINGS] Ichikawa K, Idemura R, Takano K, Odagiri E, Maeda T *Folia Endocrinol Jpn* 50: 628, 20 Feb 74 (Jpn)

GROWTH HORMONE, HUMAN

BEHAVIOR OF PANCREATIC GLUCAGON, INSULIN, AND HGH IN LIVER CIRRHOSIS, AFTER ARGININE AND L.V. GLUCOSE. Greco AV, Ghirlanda G, Patrono C, Fedili G, Manna R *Acta Diabetol Lat* 11: 330-9, Jul-Aug 74 (Eng)

ISOLATION AND BIOLOGICAL CHARACTERIZATION OF FRAGMENTS OF HUMAN GROWTH HORMONE PRODUCED BY DIGESTION WITH PLASMIN. Reagan CR, Mills JB, Kostyo JL, Wilhelm AE *Endocrinology* 96: 625-36, Mar 75 (Eng)

THE EFFECTS OF HIGH TREATMENT ON SOMATOMEDIN LEVELS IN THE SERUM (AS DETERMINED BY 35-S UPTAKE INTO CARTILAGE). Schimpff RM, Donnadiu M, Gourmelen M, Girard F *Horm Metab Res* 6: 494-8, Nov 74 (Eng)

A SENSITIVE, RAPID, AND ECONOMIC RADIOIMMUNOASSAY OF HUMAN GROWTH HORMONE USING ETHANOL-AMMONIUM ACETATE. Saito T, Saxena BB *J Lab Clin Med* 85: 497-504, Mar 75 (Eng)

HUMAN GROWTH HORMONE RESPONSE TO LEVODOPA. RELATION TO MENOPAUSE, DEPRESSION, AND PLASMA DOPA CONCENTRATION. Sachar EJ, Altman N, Gruen PH, Glassman A, Halpern FS, Sassin J *Arch Gen Psychiatry* 32: 502-3, Apr 75 (Eng)

GROWTH HORMONE INHIBITING FACTOR

[PROCEEDINGS: GIF (GROWTH HORMONE INHIBITING FACTOR). (1). BIOLOGICAL ACTIVITIES OF CYCLIZED AND LINEAR GIF IN VITRO] Sawano S, Baba Y *Folia Endocrinol Jpn* 50: 268, 20 Feb 74 (Jpn)

GROWTH HORMONE, OVINE

AMINO TERMINAL RESIDUE HETEROGENEITY OF BOVINE AND OVINE GROWTH HORMONES AS REVEALED BY POLYACRYLAMIDE GEL ELECTROPHORESIS. Lorenson MG, Ellis S *Endocrinology* 96: 833-8, Apr 75 (Eng)

GROWTH HORMONE, PLASMA

STUDIES ON GROWTH HORMONE SECRETION. VII. EFFECTS OF SOMATOSTATIN ON PLASMA GH, INSULIN, AND GLUCAGON IN SHEEP. Bryce D, Yeh M, Funderburk C, Todd H, Hertelendy F *Diabetes* 24: 842-50, Sep 75 (Eng)

[PROCEEDINGS: STUDY OF GIF (GROWTH HORMONE INHIBITING FACTOR). (4). EFFECT OF GIF ON PLASMA GH AND PROLACTIN LEVELS OF RATS TREATED WITH NEMBUTOL AND CHLORPROMAZINE] Sawano S, Kokubu T, Ishizuka Y, Baba Y *Folia Endocrinol Jpn* 50: 269, 20 Feb 74 (Jpn)

GROWTH HORMONE, RAT

EFFECTS OF PORCINE STALK MEDIAN EMINENCE AND PROSTAGLANDIN E2 ON RAT GROWTH HORMONE SECRETION IN VIVO AND THEIR INHIBITION BY SOMATOSTATIN. Szabo M, Frohman LA *Endocrinology* 96: 955-61, Apr 75 (Eng)

Diabetes Literature—Keyword Index

GROWTH HORMONE RELEASE

EFFECTS OF SOMATOSTATIN AND HYPOTHALAMIC VENTROMEDIAL LESIONS ON GH RELEASE INDUCED BY MORPHINE. Martin JB, Audet J, Saunders A. *Endocrinology* 96: 839-47, Apr 75 (Eng)

GROWTH HORMONE RELEASE INHIBITING HORMONE

INHIBITION OF GROWTH HORMONE AND THYROTROPIN RELEASE BY GROWTH HORMONE-RELEASE INHIBITING HORMONE. Belanger A, Labrie F, Borgeat P, Savary M, Cote J, Drouin J, Schally AV, Coy DH, Coy EJ, Sestanj K, Nelson V, Gotz M, Immer H. *Mol Cell Endocrinol* 1: 329-39, Oct 74 (Eng)

GROWTH HORMONE RESPONSE

EFFECT OF GLUCOSE ON THE GROWTH HORMONE RESPONSE TO L-DOPA IN NORMAL AND DIABETIC SUBJECTS. Ajlouni K, Martinson DR, Hagen TC. *Diabetes* 24: 633-6, Jul 75 (Eng)

PASMA GROWTH HORMONE RESPONSES TO THYROTROPIN-RELEASING HORMONE IN THE URETHANE-ANESTHETIZED RAT. Kato Y, Chihara K, Maeda K, Ogo S, Okanishi Y. *Endocrinology* 96: 1114-8, May 75 (Eng)

GROWTH HORMONE SECRETION

EFFECT OF PHYSICAL EXERCISE ON SECRETION OF GROWTH HORMONE, GLUCAGON, AND CORTISOL IN OBSE AND DIABETIC CHILDREN. Garlaschi C, di Natale B, del Guercio MJ, Caccamo A, Gargantini L, Chiumello G. *Diabetes* 24: 758-61, Aug 75 (Eng)

STUDIES ON GROWTH HORMONE SECRETION. VII. EFFECTS OF SOMATOSTATIN ON PLASMA GH, INSULIN, AND GLUCAGON IN SHEEP. Bryce D, Yeh M, Funderburk C, Todd H, Hertelendy F. *Diabetes* 24: 842-50, Sep 75 (Eng)

UNDER-RESPONSIVENESS OF GROWTH HORMONE SECRETION AFTER L-DOPA AND DEEP SLEEP STIMULATION IN OBSE SUBJECTS. Laurian L, Oberman Z, Ayalon D, Cordova T, Herzberg M, Horer E, Harell A. *Isr J Med Sci* 11: 482-7, May 75 (Eng)

THE INHIBITORY EFFECT OF SOMATOSTATIN ON GROWTH HORMONE, INSULIN AND GLUCAGON SECRETION IN DIABETES MELLITUS. Ward FR, Leblanc H, Yen SS. *J Clin Endocrinol Metab* 41: 527-32, Sep 75 (Eng)

STIMULATION OF GROWTH HORMONE SECRETION BY LEVODOPA-PROPRANOLOL IN CHILDREN AND ADOLESCENTS. Anonymous. *Pediatrics* 56: 262-6, Aug 75 (Eng)

[PROCEEDINGS: EFFECT OF TRH ON PITUITARY HORMONE, ESPECIALLY GROWTH HORMONE SECRETION, IN DEPRESSION] Maeda K, Yamaguchi N, Kato Y, Chihara K, Taigo K. *Folia Endocrinol Jpn* 50: 267, 20 Feb 74 (Jpn)

[PROCEEDINGS: REGULATORY MECHANISM OF GROWTH HORMONE SECRETION IN RATS] Chihara K, Daigo K, Maeda K, Kato Y, Imura H. *Folia Endocrinol Jpn* 50: 271, 20 Feb 74 (Jpn)

[PROCEEDINGS: BIOLOGICAL ACTION OF GROWTH HORMONE SECRETION INHIBITING FACTOR] Oshima K, Nabusa K, Isobe J, Saito S, Nagao T. *Folia Endocrinol Jpn* 50: 272, 20 Feb 74 (Jpn)

[PROCEEDINGS: ROLE OF ACTIVE AMINES IN GROWTH HORMONE SECRETION: WITH

SPECIAL REFERENCE TO INTERACTION OF VARIOUS AMINES] Nakai Y, Kurahachi H, Minamino M, Yoshimi T, Fukase M. *Folia Endocrinol Jpn* 50: 279, 20 Feb 74 (Jpn)

GROWTH HORMONE, SERUM

[SERUM LEVELS OF GROWTH HORMONE IN THE COURSE OF INSULIN-INDUCED HYPOGLYCEMIA IN HYPERTHYROIDISM AND HYPOTHYROIDISM] Schneider E. *Pol Tyg Lek* 30: 1311-3, 4-11 Aug 75 (Pol)

MONTHLY VARIATIONS OF SERUM LEVELS OF THYROTROPIN, GROWTH HORMONE AND CORTISOL IN MAN. Golstein J, Van Cauter E, Leclercq R, Copinschi G, Vanhaelst L. *Horm Metab Res* 6: 506-9, Nov 74 (Eng)

GROWTH PATTERN

GLUCOSE TRANSPORT-DEFICIENT MUTANT OF NEUROSPORA CRASSA WITH AN UNUSUAL RHYTHMIC GROWTH PATTERN. Halaban R. *J Bacteriol* 121: 1056-63, Mar 75 (Eng)

GROWTH RATE

[REGULATION OF LIPID SYNTHESIS UNDER CONDITIONS OF A VARYING GROWTH RATE IN CANDIDA TROPICALIS AND IN MICROCOCCUS FREUNDREICHII. Isakova DM, Kvasnikov EI, Loiko ZI. *Prikl Biokhim Mikrobiol* 10: 831-6, Nov-Dec 74 (Rus)

GROWTH RETARDATION

[THE SERUM LEVEL OF SULFATATION FACTOR (SOMATOMEDINE) IN GROWTH RETARDATIONS, CEREBRAL GIGANTISM AND ACROMEGALY] Lecornu M. *Arch Fr Pediatr* 30: 595-608, Jun-Jul 73 (Fre)

GUANOSINE 5-TRIPHOSPHATE

EPINEPHRINE STIMULATION OF FAT CELL ADENYLATE CYCLASE: REGULATION BY GUANOSINE-5-TRIPHOSPHATE AND MAGNESIUM ION. Siegel MI, Cuatrecasas P. *Mol Cell Endocrinol* 1: 89-98, Apr 74 (Eng)

GUANOSINE-3,5-CYCLICMONOPHOSPHATE

[PROCEEDINGS: EFFECT OF ACTIVATED AMINES ON CYCLIC GMP LEVELS OF THE CEREBRAL CORTEX, HYPOTHALAMUS AND ANTERIOR PITUITARY GLAND] Sato A, Onaya T, Yamada T. *Folia Endocrinol Jpn* 50: 476, 20 Feb 74 (Jpn)

GUANYL NUCLEOTIDE

LIVER MEMBRANE ADENYLATE CYCLASE. SYNERGISTIC EFFECTS OF ANIONS ON FLUORIDE, GLUCAGON, AND GUANYL NUCLEOTIDE STIMULATION. Johnson RA, Pilakis SJ, Hamet P. *J Biol Chem* 250: 6599-607, 25 Aug 75 (Eng)

GUANYLYL IMIDODIPHOSPHATE

A PERSISTENT ACTIVE STATE OF THE ADENYLATE CYCLASE SYSTEM PRODUCED BY THE COMBINED ACTIONS OF ISOPROTERENOL AND GUANYLYL IMIDODIPHOSPHATE IN FROG ERYTHROCYTE MEMBRANES. Schramm M, Rodbell MJ. *J Biol Chem* 250: 2232-7, 25 Mar 75 (Eng)

5-GUANYLYLIMIDODIPHOSPHATE

BIPHASIC EFFECT OF 5-GUANYLYLIMIDODIPHOSPHATE ON FAT CELL

ADENYLATE CYCLASE. Ebert R, Schwabe U. *Naunyn Schmiedeberg Arch Pharmacol* 286: 297-313, 1974 (Eng)

GUINEA PIG

GUINEA PIG PROINSULIN. PRIMARY STRUCTURE OF THE C-PEPTIDE ISOLATED FROM PANCREAS. Massey DE, Smyth DG. *J Biol Chem* 250: 6288-90, 25 Aug 75 (Eng)

GUT GLUCAGON

INTERACTIONS OF GLUCAGON, GUT GLUCAGON, VASOACTIVE INTESTINAL POLYPEPTIDE AND SECRETIN WITH THEIR MEMBRANE RECEPTORS. Bataille D, Rosselin G, Freychet P. *Isr J Med Sci* 11: 687-92, Jul 75 (Eng)

HALOFENATE EFFECT

EFFECT OF HALOFENATE AND CLOFIBRATE ON LIPID SYNTHESIS IN RAT ADIPOCYTES. Greenspan MD, Germershausen JJ, Mackow R. *Biochim Biophys Acta* 380: 190-8, 20 Feb 75 (Eng)

HALOTHANE ANESTHESIA

STIMULATION OF RAT LIVER ADENYLATE CYCLASE BY HALOTHANE. Rosenberg H, Pohl S. *Life Sci* 17: 431-4, 1 Aug 75 (Eng)

HAMSTER

THE FLUIDITY AND ORGANIZATION OF MITOCHONDRIAL MEMBRANE LIPIDS OF THE BROWN ADIPOSE TISSUE OF COLD-ADAPTED RATS AND HAMSTERS AS DETERMINED BY NITROXIDE SPIN PROBES. Cannon B, Polnaszek CF, Butler KW, Eriksson LE, Smith IC. *Arch Biochem Biophys* 167: 505-18, Apr 75 (Eng)

HAMSTER, CHINESE

CONDITIONALLY LETHAL MUTATIONS IN CHINESE HAMSTER CELLS. CHARACTERIZATION OF A CELL LINE WITH A POSSIBLE DEFECT IN THE KREBS CYCLE. DeFrancesco L, Wernitz D, Scheffler IE. *J Cell Physiol* 85: 293-305, Apr 75 (Eng)

HAMSTER, SYRIAN

REGULATION OF IN VITRO INSULIN RELEASE FROM A TRANSPLANTABLE SYRIAN HAMSTER INSULINOMA. Shapiro S, Eto S, Fleischer N, Baum SG. *Endocrinology* 97: 442-7, Aug 75 (Eng)

HEALTHY SUBJECT

[GENETIC CHARACTERISTICS AND PECULIARITIES OF CARBOHYDRATE METABOLISM IN HEALTHY SUBJECTS (AUTHORS TRANSL)] Ksenofontov JP. *Bratisl Lek Listy* 64: 30-4, Jul 75 (Slo)

HEART

EFFECTS OF ALLOXAN DIABETES AND INSULIN ON MORPHOLOGY AND CERTAIN FUNCTIONAL ACTIVITIES OF MITOCHONDRIA OF THE RAT LIVER AND HEART. Marinari UM, Monacelli R, Cottalasso D, Novelli A. *Acta Diabetol Lat* 11: 296-314, Jul-Aug 74 (Eng)

DIABETES AND THE HEART. Scott RC. *Am Heart J* 90: 283-9, Sep 75 (Eng) [83]

MALATE DEHYDROGENASE, CIRCULAR DICHROISM DIFFERENCE SPECTRA OF PORCINE HEART MITOCHONDRIAL AND

HEART

Diabetes Literature—Keyword Index

HEART DISEASE, ISCHEMIC

SUPERNATANT ENZYMES, BINARY ENZYME-COENZYME, AND TERNARY ENZYME-COENZYME-SUBSTRATE ANALOG COMPLEXES. Eberhardt NL, Wolfe RG *J Biol Chem* 250: 2987-92, 25 Apr 75 (Eng)

[LIPID-LOWERING EFFECT OF D,L-ALPHA-METHYL THYROXINE ETHYL ESTER (CG-635) AND ITS INFLUENCE ON BASAL METABOLIC RATE, HEART AND THYROID GLAND] Kuwashima J, Tsuboi T, Fujitani B, Ishikawa K, Nakamura K *J Pharm Soc Jpn* 94: 1541-9, Dec 74 (Jpn)

HEART DISEASE, ISCHEMIC

DIETARY SUCROSE IN RELATION TO THE DEVELOPMENT OF ISCHEMIC HEART DISEASE. Opie LH *Am Heart J* 89: 674-5, May 75 (Eng)

RISK FACTORS FOR MYOCARDIAL INFARCTION AND DEATH DUE TO ISCHEMIC HEART DISEASE AND OTHER CAUSES. Tibblin G, Wilhelmson L, Werko L *Am J Cardiol* 35: 514-22, Apr 75 (Eng)

HEART, GUINEA PIG

THE ACTIVATION OF SHORT-CHAIN FATTY ACIDS BY THE SOLUBLE FRACTION OF GUINEA-PIG HEART AND LIVER MITOCHONDRIA. THE SEARCH FOR A DISTINCT PROPIONYL-COA SYNTHETASE. Groot PH *Biochim Biophys Acta* 380: 12-20, 24 Jan 75 (Eng)

HEART MUSCLE

INSULIN RECEPTORS IN THE HEART MUSCLE. DEMONSTRATION OF SPECIFIC BINDING SITES AND IMPAIRMENT OF INSULIN BINDING IN THE PLASMA MEMBRANE OF THE OBESE HYPERGLYCEMIC MOUSE. Fargue ME, Freychet P *Diabetes* 24: 715-23, Aug 75 (Eng)

PROTEIN SYNTHESIS AND AMINO ACID ACCUMULATION DURING DEVELOPMENT IN THE RAT: DISSOCIATION OF DIAPHRAGM AND HEART MUSCLE SENSITIVITY TO INSULIN. Asplund K *Horm Res* 6: 12-9, 1975 (Eng)

[DYNAMICS OF CARBOHYDRATE METABOLISM IN THE HEART MUSCLE IN EARLY ONTOGENESIS] Meerson FZ, Larionov NP, Krotchenko NM *Kardiologia* 15: 107-13, Jan 75 (Rus)

NOREPINEPHRINE CONCENTRATION IN HEART MUSCLE AND HYPOTHALAMUS DURING ACIDOSIS IN THE RAT. Karpati P, Preda I, Endrooczi E *Acta Physiol Acad Sci Hung* 43: 315-20, 1973 (Eng)

HEART, NECROTIC

EFFECT OF GLUCOSE IN ISOPROTERENOL-INDUCED NECROTIC HEART UNDER ANOXIC PERFUSION. Tsuboi T, Osawa Y, Ishikawa K, Yoshida K, Shimizu M *Jpn J Pharmacol* 24: 803-8, Oct 74 (Eng)

HEART, RAT

[INFLUENCE OF ADDITION OF THE FREE FATTY ACIDS TO THE PERFUSATE ON THE FUNCTION OF ISOLATED RAT HEART] Didier JP, Klepping J, Boucrot P, Moreau D, Noirot P, Bastien H *C R Soc Biol (Paris)* 168: 504-9, 1974 (Fre)

POSITIVE STAIRCASE EFFECT IN THE RAT HEART. Henry PD *Am J Physiol* 228: 360-4, Feb 75 (Eng)

HEAT

[SOME INDICES OF CARBOHYDRATE METABOLISM IN THE TISSUES OF THE EYE UNDER THE INFLUENCE OF SILICON-CONTAINING DUST AND RADIANT HEAT IN EXPERIMENT] Gmyria AI, Antonova AI *Oftalmol Zh* 30: 26-8, 1975 (Rus)

HELA CELL

SYNTHESIS AND ASSEMBLY OF HELA CELL PLASMA MEMBRANE GLYCOPROTEINS AND PROTEINS. Atkinson PH *J Biol Chem* 250: 2123-34, 25 Mar 75 (Eng)

HEMOCHOLECYST

[HAEMOCHOLECYST INDUCED BY GANGRENOUS CHOLECYSTITIS IN A DIABETIC (AUTHORS TRANSL)] Roubey J, Mahieu F, Staquet JP, Bataille JP, Lederer J *Acta Gastroenterol Belg* 38: 237-41, May-Jun 75 (Fre)

HEMODIALYSIS

HEMODIALYSIS-RELATED PROBLEMS IN PATIENTS WITH DIABETES MELLITUS. Kaissis SD, Yen MC, Lazarus M, Lowrie EG, Goldstein HH, Takacs FJ, Hampers CL, Merrill JD *Kidney Int [Suppl]* 100-7, Oct 74 (Eng)

CARDIOVASCULAR DISEASE IN UREMIC PATIENTS ON HEMODIALYSIS. Lazarus JM, Lowrie EG, Hampers CL, Merrill JP *Kidney Int [Suppl]* 167-75, Jan 75 (Eng) [56]

HEMODIALYZED PATIENT

GLUCOSE INTOLERANCE IN THE HEMODIALYZED PATIENT: A BRIEF OVERVIEW. Westervelt FB Jr *Kidney Int [Suppl]* 70-2, Oct 74 (Eng) [19]

HEMORRHAGIC SHOCK, DOG

BIOCHEMICAL CHANGES IN LYMPH INDUCED BY HAEMORRHAGIC SHOCK IN DOGS. Badrain IG, Adel-Kader MM, Ismail AA, Iskander F, Said MI, Barsom MS *J Egypt Med Assoc* 57: 72-9, 1974 (Eng)

HEMORRHAGIC SHOCK, RAT

[REVERSIBLE AND IRREVERSIBLE HEMORRHAGIC SHOCK IN RATS. METHODS AND RESULTS OF A STANDARDIZED SHOCK MODEL (AUTHORS TRANSL)] Flenker H, Grupner E *Beitr Pathol* 153: 339-52, 1974 (Ger)

HEMOSTASIS

[HEMOSTASIS IN COMATOUS AND SUBCOMATOUS PATIENTS WITH VIRAL HEPATITIS] Velkova-Simova N, Grunevska B *God Zh Med Fak Skopje* 17: 177-86, 1971 (Ser)

HEPARIN

MODIFICATIONS OF PLASMA POST-HEPARIN LIPOLYTIC ACTIVITY AND TISSUE LIPOPROTEIN LIPASE ACTIVITY INDUCED IN THE RAT BY ACUTE ADMINISTRATION OF ETHANOL OR PROPAN-2-OL. Giudicelli Y, Nordmann R, Nordmann J *Clin Sci Mol Med* 48: 153-6, Feb 75 (Eng)

HEPATOCTYCE

HORMONAL CONTROL OF CYCLIC 3:5-AMP LEVELS AND GLUCONEOGENESIS IN ISOLATED HEPATOCTYCES FROM FED RATS. Pilakis SJ, Claus TH, Johnson RA, Park CR *J Biol Chem* 250: 6328-36, 25 Aug 75 (Eng)

HEPATOCTYCE, RAT

COMPARISON OF 125-I-INSULIN BINDING AND DEGRADATION TO ISOLATED RAT HEPATOCTYCES AND LIVER MEMBRANES. Olefsky J, Johnson J, Liu F, Edwards P, Baur S *Diabetes* 24: 801-10, Sep 75 (Eng)

[TRANSFER OF GLUCOSE FROM UDP-GLUCOSE IN MICROSOMAL MEMBRANES OF RAT HEPATOCTYCES (AUTHORS TRANSL)] Berthillier G, Azzar GJ, Got R *Eur J Biochem* 51: 275-82, 3 Feb 75 (Fre)

HEREDITY

[POLYGENIC (MULTIFACTORIAL) HEREDITY AND INTERPRETATION OF THE GENETIC COMPONENT IN COMMON DISEASES] Moraru I, Antohi S, Imbroane L *Stud Cercet Med Intern* 14: 3-5, 1973 (Rum)

HEXOKINASE

HEXOSE KINASES FROM RHODOTORULA GLUTINIS. IDENTIFICATION AND PROPERTIES OF AN HEXOKINASE AND A GLUCOKINASE. Mazon MJ, Gancedo JM, Gancedo C *Arch Biochem Biophys* 167: 452-7, Apr 75 (Eng)

HEXOKINASE ACTIVITY

PROCEEDINGS: HEXOKINASE ACTIVITY AND CORNEAL NUTRITION. Reim M, Grodau K, Kuhr M *Exp Eye Res* 20: 179, Feb 75 (Eng)

HEXOKINASE, ERYTHROCYTE

KINETIC STUDIES ON THE ERYTHROCYTE HEXOKINASE OF THE DOMESTIC PIG, SUS SCROFA. Dixon E Jr *Comp Biochem Physiol [B]* 50: 61-4, 15 Jan 75 (Eng)

HEXOKINASE, YEAST

THE STRUCTURE OF A YEAST HEXOKINASE MONOMER AND ITS COMPLEXES WITH SUBSTRATES AT 2.7-Å RESOLUTION. Fletcher RJ, Bates DJ, Steitz TA *Proc Natl Acad Sci USA* 72: 38-42, Jan 75 (Eng)

HIGH

SEE GROWTH HORMONE/HUMAN

HILL COEFFICIENT

HORMONE ACTION AND MEMBRANE FLUIDITY: EFFECT OF INSULIN AND CORTISOL ON THE HILL COEFFICIENTS OF RAT ERYTHROCYTE MEMBRANE-BOUND ACETYLCHOLINESTERASE AND (NA& & K&)-ATPASE. Massu EM, Morero RD, Bloj B, Farias RN *Biochem Biophys Res Commun* 66: 115-22, 2 Sep 75 (Eng)

HILL EQUATION

EVIDENCE FOR THE ALLOSTERIC REGULATION OF GLYCOGEN SYNTHESIS IN THE INTACT ESCHERICHIA COLI CELL. AGREEMENT OF THE VALUES OF THE PARAMETERS OF THE HILL EQUATION FITTED TO DATA FOR GLYCOGEN SYNTHESIS IN VIVO WITH THE AVAILABLE VALUES OBTAINED IN VITRO WITH ADENOSINE DIPHOSPHOGLUCOSE SYNTHETASE. Dietzler DN, Leckie MP, Lais CJ, Magnani JL *J Biol Chem* 250: 2383-7, 25 Mar 75 (Eng)

Diabetes Literature—Keyword Index

L-HISTIDINE

STUDIES ON THE ACTION OF HORMONES ON THE INTESTINAL TRANSPORT OF L-HISTIDINE. Kansal VK, Wagle DS *Indian J Physiol Pharmacol* 19: 28-33, Jan-Mar 75 (Eng)

HISTOCOMPATIBILITY, ENDOCRINE

TRANSPLANTATION OF THE ISLETS OF LANGERHANS AND THE HISTOCOMPATIBILITY OF ENDOCRINE TISSUE. Barker CF *Diabetes* 24: 766-75, Aug 75 (Eng)

HL-A

SEE HUMAN LEUCOCYTE-A

HOMEOSTASIS

[ROLE OF HOMEOSTASIS IN ANIMAL RADIOSENSITIVITY] Gravskaja BM, Nechaev IA, Zolotareva NN *Zh Obshch Biol* 36: 135-41, Jan-Feb 1975 (Rus)

HOMOGENOUS TISSUE

THE INTERACTION OF DIFFUSION AND PERFUSSION IN HOMOGENOUS TISSUE. Hennessy TR *Bull Math Biol* 36: 505-26, Oct-Dec 74 (Eng)

HORMONAL CONTROL

HORMONAL CONTROL OF CYCLIC 3:5-AMP LEVELS AND GLUCONEOGENESIS IN ISOLATED HEPATOCYTES FROM FED RATS. Pilakis SJ, Claus TH, Johnson RA, Park CR *J Biol Chem* 250: 6328-36, 25 Aug 75 (Eng)

HORMONAL DISORDER

[SOMATOTROPIN INSUFFICIENCY. I. METABOLIC AND HORMONAL DISORDERS] Popa M *Stud Cercet Endocrinol* 23: 219-34, 1972 (Rum) [87]

HORMONAL PATTERN

TIME SERIES ANALYSIS OF HORMONAL PATTERNS IN HUMAN PLASMA. Vagnucci AH, Wong AK, Liu TS *Comput Biomed Res* 7: 513-32, Dec 74 (Eng)

HORMONAL REGULATION

[NADP- AND NAD-MALATE DEHYDROGENASE IN THE LIVER AND RENAL CORTX AND HORMONAL REGULATION OF ITS ACTIVITY] Tsoncheva AV *Eksp Med Morfol* 13: 89-95, 1974 (Bul)

HORMONAL REGULATION OF INCORPORATION OF ALANINE-U-14C INTO GLUCOSE IN HUMAN FETAL LIVER EXPLANTS. EFFECT OF DIBUTYRYL CYCLIC AMP, GLUCAGON, INSULIN, AND TRIAMCINOLONE. Schwartz AL, Rall TW *Diabetes* 24: 650-7, Jul 75 (Eng)

HORMONE

SYMPOSIUM I: HORMONE-FUEL INTERACTIONS IN NORMAL AND DIABETIC MAN. THE LIVER AS SITE OF INSULIN AND GLUCAGON ACTION IN NORMAL, DIABETIC AND OBESE HUMANS. Felig P, Wahren J *Isr J Med Sci* 11: 528-39, Jun 75 (Eng) [55]

INHIBITION OF BASAL AND HORMONE-STIMULATED ADENYLATE CYCLASE IN ADIPOCYTE GHOSTS BY THE PROSTAGLANDIN ENDOPEROXIDE PROSTAGLANDIN H₂. Gorman RR, Hamberg M, Samuelsson B *J Biol Chem* 250: 6460-3, 25 Aug 75 (Eng)

EFFECTS OF VARIOUS HORMONES ON THE PITUITARY-ADRENAL AXIS. Kitay JI *Adv Exp Med Biol* 54: 155-67, 1975 (Eng)

INSECTICIDE-INDUCED RELEASE OF HYPERGLYCAEMIC AND ADIPOLINETIC HORMONES OF SCHISTOCERCA GREGARIA. Samaranayaka M *Gen Comp Endocrinol* 24: 424-36, Dec 74 (Eng)

HORMONE ACTION

STUDIES ON THE ACTION OF HORMONES ON THE INTESTINAL TRANSPORT OF L-HISTIDINE. Kansal VK, Wagle DS *Indian J Physiol Pharmacol* 19: 28-33, Jan-Mar 75 (Eng)

HORMONE ACTION AND MEMBRANE FLUIDITY: EFFECT OF INSULIN AND CORTISOL ON THE HILL COEFFICIENTS OF RAT ERYTHROCYTE MEMBRANE-BOUND ACETYLCHOLINESTERASE AND (NA& K&)-ATPASE. Massa EM, Moreiro RD, Bloj B, Farias RN *Biochem Biophys Res Commun* 66: 115-22, 2 Sep 75 (Eng)

HORMONE, HYPOPHYSEAL

[STRUCTURE AND PROPERTIES OF HYPOPHYSEAL HORMONES. II. PROTEIN HORMONES OF THE HYPOPHYSIS] Pankov luA *Probl Endokrinol (Mosk)* 20: 104-14, May-Jun 74 (Rus) [78]

HORMONE RECEPTOR

SYMPOSIUM III: HORMONES AND HORMONE RECEPTORS. A MORPHOLOGICAL APPROACH TO SURFACE RECEPTORS IN ISLET AND LIVER CELLS. Orci L, Rufenner C, Malaisse-Lagae F, Blondel B, Amherdt M, Bataille D, Freychet P, Perrelet A *Isr J Med Sci* 11: 639-55, Jul 75 (Eng)

HORMONE RELEASE

EFFECT OF LECTINS ON HORMONE RELEASE FROM ISOLATED RAT ISLETS OF LANGERHANS. Ewart RB, Kornfeld S, Kipnis DM *Diabetes* 24: 705-14, Aug 75 (Eng)

HORMONE RESPONSE

TIME RELATIONSHIPS IN HORMONE RESPONSES: INCREASED OVARIAN LACTIC ACID PRODUCTION IN VITRO AND ESTROGEN PRODUCTION IN VIVO IN IMMATURE FEMALE RATS TREATED WITH PMS. Sashida T, Johnson DC *Biol Reprod* 12: 212-22, Mar 75 (Eng)

HORMONE SECRETION

PANCREATIC ENDOCRINE TUMORS—THE RIDDLE OR THEIR ORIGIN AND HORMONE SECRETION. Creutzfeldt W *Isr J Med Sci* 11: 762-76, Jul 75 (Eng)

HORMONE-FUEL INTERACTION

SYMPOSIUM I: HORMONE-FUEL INTERACTIONS IN NORMAL AND DIABETIC MAN. THE LIVER AS SITE OF INSULIN AND GLUCAGON ACTION IN NORMAL, DIABETIC AND OBESE HUMANS. Felig P, Wahren J *Isr J Med Sci* 11: 528-39, Jun 75 (Eng) [55]

HORSE

THE EFFECT OF EXERCISE ON BLOOD METABOLITE LEVELS IN THE HORSE. Anderson MG *Equine Vet J* 7: 27-33, Jan 75 (Eng)

HYDROXYCITRATE EFFECT

HUMIDITY, LOW

EFFECT OF HIGH AMBIENT TEMPERATURE AND LOW HUMIDITY ON NUTRIENT UTILIZATION AND ON SOME PHYSIOLOGICAL RESPONSES IN AWASI SHEEP FED DIFFERENT LEVELS OF ROUGHAGE. Bhattacharya AN, Uwayjan MJ *Anim Sci* 40: 320-8, Feb 75 (Eng)

HYDROCORTISONE EFFECT

INSULIN AND HYDROCORTISONE EFFECTS ON VIABILITY AND GLYCOGEN STORES OF POSTNATAL RAT LIVER ORGAN CULTURE. Reed GB, Grisham JW *Lab Invest* 33: 298-304, Sep 75 (Eng)

[EFFECT OF HYDROCORTISONE ADMINISTRATION ON THE RATE OF ANAEROBIC GLYCOLYSIS IN RAT CEREBRAL CORTEX SECTIONS] Bogdanova TS, Emelianov NA *Probl Endokrinol (Mosk)* 20: 74-6, May-Jun 74 (Rus)

HYDROGEN PEROXIDE

A SUGGESTED ROLE FOR HYDROGEN PEROXIDE IN THE BIOSYNTHESIS OF PROSTAGLANDINS. Panganamala RV, Sharma HM, Sprecher H, Geer JC, Cornwell DG *Prostaglandins* 8: 3-11, 10 Oct 74 (Eng)

HYDROLYSIS

MECHANISMS FOR ELECTRON TRANSFER ASSISTED PHOSPHORYLATION, AND ATP HYDROLYSIS. Haight GP, Scott RA, Woltermann GM *Physiol Chem Phys* 6: 375-8, 1974 (Eng)

THE INFLUENCE OF RESPIRATION AND ATP HYDROLYSIS ON THE PROTON-ELECTROCHEMICAL GRADIENT ACROSS THE INNER MEMBRANE OF RAT-LIVER MITOCHONDRIA AS DETERMINED BY ION DISTRIBUTION. Nicholls DG *Eur J Biochem* 50: 305-15, 16 Dec 74 (Eng)

HYDROPHOBIC PROTEIN

FLUIDITY IN HYDROPHOBIC PROTEIN REGIONS OF SYNAPTIC MEMBRANES. Hoss W, Aboud LG *Eur J Biochem* 50: 177-81, 16 Dec 74 (Eng)

3-HYDROXY-3-METHYLGLUTARYL COENZYME A

MOLECULAR AND CATALYTIC PROPERTIES OF MITOCHONDRIAL (KETOGENIC) 3-HYDROXY-3-METHYLGLUTARYL COENZYME A SYNTHASE OF LIVER. Reed WD, Clinkenbeard D, Lane MD *J Biol Chem* 250: 3117-23, 25 Apr 75 (Eng)

3-HYDROXYBUTYRATE

THE EFFECT OF MUSCULAR EXERCISE ON FREE FATTY ACIDS, ACETOACETATE AND 3-HYDROXYBUTYRATE BLOOD LEVELS. Boninssegna A, Federspil G, De Palo C *Horm Metab Res* 6: 488-91, Nov 74 (Eng)

D-BETA-HYDROXYBUTYRATE

EXTRACTION OF D-BETA-HYDROXYBUTYRATE BY BRAIN IN DIABETIC RATS. Openshaw H, Diamond I *Arch Neurol* 32: 640-1, Sep 75 (Eng)

HYDROXYCITRATE EFFECT

EFFECT OF (-)-HYDROXYCITRATE ON LIPOGENESIS, APPETITE AND BODY

Diabetes Literature—Keyword Index

11 HYDROXYCORTICOID

WEIGHT IN RATS. Anonymous *Nutr Rev* 33: 53-5, Feb 75 (Eng)

11 HYDROXYCORTICOID

THE EFFECT OF CARBENOXOLONE SODIUM ON THE PLASMA 11 HYDROXYCORTICOID LEVELS IN CHRONIC GASTRIC ULCERATION. Gollan JL, Hecker R, Mackinnon AM *Aust NZ J Med* 5: 231-4, Jan 75 (Eng)

3-HYDROXY-3-METHYLGUTARYL

MITOCHONDRIAL 3-HYDROXY-3-METHYLGUTARYL-COA SYNTHASE FROM CHICKEN LIVER. Reed WD, Lane MD *Methods Enzymol* 35: 155-60, 1975 (Eng)

3-HYDROXY-3-METHYLGUTARYL-COA SYNTHASE FROM BAKERS YEAST. Middleton B, Tubbs PK *Methods Enzymol* 35: 173-7, 1975 (Eng)

HYPERBETALIPOPROTEINEMIA

DEVELOPMENT OF HYPERBETALIPOPROTEINEMIA IN PIGS FED ATHEROGENIC DIET. Hill EG, Silbernick CL *Lipids* 10: 41-3, Jan 75 (Eng)

HYPERCHOLESTEROLEMIC RABBIT

SYNTHESIS OF PROSTAGLANDINS IN PLATELETS OF HYPERCHOLESTEROLEMIC RABBITS. Srivastava KC *Lipids* 10: 57-9, Jan 75 (Eng)

HYPERDIPSIA

HYPERDIPSIA INDUCED BY BILATERAL DESTRUCTION OF THE LOCUS COERULEUS IN RATS. Osumi Y, Oishi R, Fujiwara H, Takaori S *Brain Res* 86: 419-27, 28 Mar 75 (Eng)

HYPERGLYCEMIA

PATTERN OF CSF GLUCOSE CONCENTRATION AFTER INDUCED HYPERGLYCAEMIA IN PATIENTS WITH ACUTE MENINGITIS AND EVIDENCE OF CEREBROSPINAL CANAL OBSTRUCTION. Contoyannis PA, Adamopoulos DA, Leventis AS *Eur Neurol* 13: 476-80, 1975 (Eng)

HYPERGLYCEMIC HORMONE

INSECTICIDE-INDUCED RELEASE OF HYPERGLYCAEMIC AND ADIPLINETIC HORMONES OF SCHISTOCERCA GREGARIA. Samaranyaka M *Gen Comp Endocrinol* 24: 424-36, Dec 74 (Eng)

HYPERINSULINEMIA

HYPERINSULINEMIA, INSULIN RESISTANCE AND CATARACT FORMATION IN SAND RATS. Gutman A, Andrews A, Adler JH *Isr J Med Sci* 11: 714-22, Jul 75 (Eng)

HYPERINSULINISM

[HYPOTHALAMIC ANOMALIES WITH HYPERINSULINISM ASSOCIATED WITH A CYST OF THE 3D VENTRICLE] Lelievre M, Szots F, Nadeau A *Union Med Can* 104: 422-7, Mar 75 (Fre)

HYPERINSULINISM, ORGANIC

[DIAGNOSIS OF ORGANIC HYPERINSULINISM] Kramer K, Sailer FX *Anaesthesiol Intensivmed Prax* 10: 125-30, 1975 (Ger)

HYPERLIPEMIA

[HYPERLIPEMIAS IN DIABETICS] Mirouze J, Carty ME *Coeur Med Interne* 13: 613-26, Oct-Dec 74 (Fre)

[RISK FACTOR HYPERLIPEMIA: CLINICAL ASPECTS AND THERAPY] Gries FA *Med Welt* 26: 1590-7, 5 Sep 75 (Ger)

MUSCULAR CAPILLARY BASEMENT MEMBRANE HYPERTROPHY IN HYPERLIPEMIA TYPE IV: A REVERSIBLE CONSEQUENCE OF A METABOLIC DISORDER De Vries O, Vos J, Reitsma WD, Doorenbos H, Molenaar I *Neth J Med* 17: 220-6, 1974 (Eng)

HYPERLIPEMIDEMIA

[HYPERLIPEMIDEMIA AND HYPERLIPOPROTEINEMIA AMONG THE RELATIVES OF DIABETIC PATIENTS] Valek J, Grafnetter D, Slabochova Z, Platilova H *Cas Lek Cesk* 114: 837-40, 4 Jul 75 (Cze)

HYPERLIPEMIDEMIA AND HEPATIC HYPERLIPOGENESIS IN SPINY MICE (ACOMYS CAHIRINUS) ON CARBOHYDRATE DIETS: RELATIONSHIP TO PERIPHERAL UNDERRESPONSIVENESS AND LOW INSULIN RELEASE. Shafir E, Benichmol A, Orevi M *Isr J Med Sci* 11: 738-52, Jul 75 (Eng)

SUCROSE, STARCH AND HYPERLIPEMIDEMIA. Anonymous *Nutr Rev* 33: 44-5, Feb 75 (Eng)

HYPERLIPEMIDEMIA: TO TREAT OR NOT TO TREAT. Parsons WB Jr *Ariz Med* 32: 323-8, Apr 75 (Eng)

HYPERLIPOPROTEINEMIA

[HYPERLIPEMIDEMIA AND HYPERLIPOPROTEINEMIA AMONG THE RELATIVES OF DIABETIC PATIENTS] Valek J, Grafnetter D, Slabochova Z, Platilova H *Cas Lek Cesk* 114: 837-40, 4 Jul 75 (Cze)

[DEFINITION AND PHYSIOPATHOLOGY OF DIABETIC AND NON-DIABETIC HYPERLIPOPROTEINEMIAS] Jahnke K *Med Welt* 26: 1586-9, 5 Sep 75 (Ger)

COMBINED HYPERLIPOPROTEINEMIA. EVIDENCE FOR A NEW LIPOPROTEIN PHENOTYPE. Rose HG, Kranz P, Weinstock M, Juliano J, Haft JJ *Atherosclerosis* 20: 51-64, Jul-Aug 74 (Eng)

TYPE VHYPERLIPOPROTEINEMIA

TYPE V HYPERLIPOPROTEINEMIA REVISED: FINDINGS IN A SYDNEY POPULATION. Simons LA, Williams PF, Turtle JR *Aust NZ J Med* 5: 210-9, Jun 75 (Eng)

HYPERTENSION

LETTER: ACUTE SYSTOLIC HYPERTENSION DURING MYOCARDIAL INFARCTION. Oliver MF *Br Med J* 3: 432, 16 Aug 75 (Eng)

[DIAZOXIDE: NEW WAY IN TREATMENT OF HYPERTENSION] Wijdeveld P, Koene R *Ned Tijdschr Geneesk* 119: 421-30, 15 Mar 75 (Dut)

[CHANGES IN THE COMPOSITION OF FREE FATTY ACIDS OF THE PLASMA OF RATS SUBMITTED TO DIFFERENT TYPES OF HYPERTENSION] Michailov ML *Biomedicine [Express]* 21: 393-7, 10 Oct 74 (Fre)

[GLYCIDES AND HYPERTENSION (AUTHORS TRANSL)] Lazarov N *Cas Lek Cesk* 114: 11-4, 3 Jan 75 (Cze)

ARTERIAL LYSOSOMES AND CONNECTIVE TISSUE IN PRIMATE ATHEROSCLEROSIS AND HYPERTENSION. Wolinsky H, Goldfischer S, Daly MM, Kasak LE, Colloff-Schiller B *Circ Res* 36: 553-61, Apr 75 (Eng)

[PLASMA NORADRENALINE AND ADRENALINE, PLASMA RENIN ACTIVITY AND CYCLIC AMP DURING REST PERIOD AND ORTHOSTATIS IN VARIOUS TYPES OF HYPERTENSION] Brecht HM, Musil HA, Vlachoyannis J, Schoeppe W *Verh Dtsch Ges Inn Med* 80: 245-8, 1974 (Ger)

HYPERTENSION, ARTERIAL

[DIABETES MELLITUS AND ARTERIAL HYPERTENSION (AUTHORS TRANSL)] Vermet A, Fabre J, Merier G *Praxis* 64: 583-8, 13 May 75 (Fre)

[CASE OF CHRONIC BRUCELLOSIS ASSOCIATED WITH DIABETES AND ARTERIAL HYPERTENSION] Wojtowicz H *Wiad Lek* 28: 15 Aug 75 (Pol)

HYPERTENSION, ESSENTIAL

DEPRESSED ENDOGENOUS FIBRINOLYTIC ACTIVITY IN ESSENTIAL HYPERTENSION. Tsapogas MJ, Peabody RA, Wu KT, Devaraj KT, Eckert C *J Cardiovasc Surg (Torino)* 15: 651-4, Nov-Dec 74 (Eng)

HYPERTHERMIA

MARKED HYPERTHERMIA AS A MANIFESTATION OF HYPOGLYCEMIA IN LONG-STANDING DIABETES MELLITUS. Chochinov R, Daughaday WH *Diabetes* 24: 859-60, Sep 75 (Eng)

HYPERTHYROIDISM

[SERUM LEVELS OF GROWTH HORMONE IN THE COURSE OF INSULIN-INDUCED HYPOGLYCEMIA IN HYPERTHYROIDISM AND HYPOTHYROIDISM] Schneider E *Pol Tyg Lek* 30: 1311-3, 4-11 Aug 75 (Pol)

[INFLUENCE OF EXPERIMENTAL HYPERTHYROIDISM ON THE METABOLISM OF RADIOACTIVE INSULIN AT THE LEVEL OF THE LIVER IN RATS] Costiner E, Simionescu L, Oprea M *Stud Cercet Endocrinol* 23: 253-8, 1972 (Rum)

HYPERTRIGLYCERIDEMIA, ENDOGENOUS

EFFECT OF WEIGHT REDUCTION ON INSULIN RESPONSIVENESS AND TRIGLYCERIDE LEVELS IN PATIENTS WITH ENDOGENOUS HYPERTRIGLYCERIDEMIA. De Vries O, Sluiter WJ, Reitsma WD, Doorenbos H *Neth J Med* 17: 212-19, 1974 (Eng)

METABOLISM OF GLUCOSE AND FATTY ACID BY LEUKOCYTES FROM PATIENTS WITH ENDOGENOUS HYPERTRIGLYCERIDEMIA. Burns CP, Welshman IR, Spector AA *J Lab Clin Med* 85: 598-609, Apr 75 (Eng)

HYPERTROPHY

MUSCULAR CAPILLARY BASEMENT MEMBRANE HYPERTROPHY IN HYPERLIPEMIA TYPE IV: A REVERSIBLE CONSEQUENCE OF A METABOLIC DISORDER De Vries O, Vos J, Reitsma WD, Doorenbos H, Molenaar I *Neth J Med* 17: 220-6, 1974 (Eng)

HYPOGLYCEMIA

LETTER: GLIBENCLAMIDE-INDUCED HYPOGLYCAEMIA. Silience DO, Court JM *Br Med J* 3: 490-1, 23 Aug 75 (Eng)

MARKED HYPERTHERMIA AS A MANIFESTATION OF HYPOGLYCEMIA IN LONG-STANDING DIABETES MELLITUS. Chochinov R, Daughaday WH *Diabetes* 24: 859-60, Sep 75 (Eng)

HYPOTHYROIDISM

HYPOTHALAMIC PITUITARY ADRENAL

ALTERED HYPOTHALAMIC-PITUITARY-ADRENAL RESPONSIVENESS TO DEXAMETHASONE-INSULIN TOLERANCE TEST IN ACTIVE ACROMEGALY. Hofeldt FD, Levin SR, Von Werder K, Becker N, Schneider V, Hane S, Seymour R, Adams JE, Forsham PH *J Clin Endocrinol Metab* 41: 399-401, Aug 75 (Eng)

HYPOTHALAMIC PITUITARY ADRENOCORTICAL FUNCTION

THE DIAGNOSTIC VALUE OF HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL FUNCTION TESTS IN PATIENTS WITH CUSHINGS SYNDROME. Hashimoto K *Acta Med Okayama* 29: 111-26, Apr 75 (Eng)

HYPOTHALAMIC SYNDROME

NEUROLEPTIC-INDUCED DEFICITS IN FOOD AND WATER REGULATION: SIMILARITIES TO THE LATERAL HYPOTHALAMIC SYNDROME. Zis AP, Fibiger HC *Psychopharmacologia* 43: 63-8, 23 Jul 75 (Eng)

HYPOTHALAMO-HYPOPHYSIAL NEUROSECRETORY SYSTEM

[HYPOTHALAMO-HYPOPHYSIAL NEUROSECRETORY SYSTEM IN AGING] Bogdanovich NK *Arch Patol* 36: 53-9, 1974 (Rus)

HYPOTHALAMUS

[ROLE OF THE HYPOTHALAMUS IN THE REGULATION OF PITUITARY GONADOTROPINS SECRETION] Jutisz M *Endokrynol Pol* 25: 437-47, Nov-Dec 74 (Pol)

[PROCEEDINGS: GLUCOSE AND 2-KETOGLUTARATE OXIDATION IN THE HYPOTHALAMUS AND THE ANTERIOR PITUITARY LOBE] Sato A, Onaya T, Yamada T *Folia Endocrinol Jpn* 50: 259, 20 Feb 74 (Jpn)

[PROCEEDINGS: EFFECT OF ACTIVATED AMINES ON CYCLIC GMP LEVELS OF THE CEREBRAL CORTEX, HYPOTHALAMUS AND ANTERIOR PITUITARY GLAND] Sato A, Onaya T, Yamada T *Folia Endocrinol Jpn* 50: 476, 20 Feb 74 (Jpn)

NOREPINEPHRINE CONCENTRATION IN HEART MUSCLE AND HYPOTHALAMUS DURING ACIDOSIS IN THE RAT. Karpati P, Preda I, Endroczi E *Acta Physiol Acad Sci Hung* 43: 315-20, 1973 (Eng)

HYPOTHALAMUS, BOVINE

[PROCEEDINGS: PRF ACTIVITY OF THE BOVINE HYPOTHALAMUS] Kokubu T, Shiraki M, Sawano S, Ishizuka Y, Yamazaki M *Folia Endocrinol Jpn* 50: 274, 20 Feb 74 (Jpn)

HYPOTHALAMUS, MOUSE

EFFECT OF GOLDTHIOGLUCOSE ON LONG-TERM CULTURES OF MOUSE HYPOTHALAMUS. Geller HM, Cechner RL, Fleming DG *Neurobiology* 2: 154-61, 1972 (Eng)

HYPOTHYROIDISM

[SERUM LEVELS OF GROWTH HORMONE IN THE COURSE OF INSULIN-INDUCED HYPOGLYCEMIA IN HYPERTHYROIDISM AND HYPOTHYROIDISM] Schneider E *Pol Tyl Lek* 30: 1311-3, 4-11 Aug 75 (Pol)

[INFLUENCE OF EXPERIMENTAL HYPERTHYROIDISM ON THE

HYPOLIPIDEMIC AGENT

CLINICAL EVALUATION OF TIBRIC ACID (CP 18,524) A NEW HYPOLIPIDEMIC AGENT. Sirtori CR, Zoppi S, Quarisa B, Agradi E *Pharmacol Res Commun* 6: 445-56, Oct 74 (Eng)

[STUDIES ON HYPOLIPIDEMIC AGENTS. IV. SYNTHESIS AND HYPOLIPIDEMIC ACTIVITIES OF 4-SUBSTITUTED PHENOXYISOBUTYRIC ACID DERIVATIVES (AUTHORS TRANSL)] Miyoshi F, Fukami H, Sako Y *J Pharm Soc Jpn* 94: 1061-9, Sep 74 (Jpn)

HYPOPARATHYROIDISM

EFFECT OF CHLORPROPAMIDE ON RENAL RESPONSE TO PARATHYROID HORMONE IN NORMAL SUBJECTS AND IN PATIENTS WITH HYPOPARATHYROIDISM AND PSEUDOHYPOPARATHYROIDISM. Coulson R, Moses AM *J Pharmacol Exp Ther* 194: 603-13, Sep 75 (Eng)

HYPOPHYSECTOMIZED, SHEEP

[EVOLUTION OF DIFFERENT TYPES OF ADIPOSE DEPOSITS AFTER BIRTH IN NORMAL OR HYPOPHYSECTOMIZED SHEEP MERINOS DARLES] Vezinhet A, Prudhon M, Benevent M *Ann Biol Anim Biochim Biophys* 14: 117-29, 1974 (Fre)

HYPOPHYSECTOMY

THE CALORIGENIC ACTION OF NOREPINEPHRINE IN RATS AFTER HYPOPHYSECTOMY. Muller D, Kersten L, Ankermann H *Experientia* 31: 343-4, 15 Mar 75 (Eng)

HYPOPHYSIS

[ELECTRON MICROSCOPIC CHANGES IN RAT HYPOPHYSIS FOLLOWING ADRENALECTOMY AND ACTH ADMINISTRATION. II. NEURONAL LOBE OF THE HYPOPHYSIS] Danielewicz-Kotowicz A *Neuropatol Pol* 13: 49-59, Jan-Mar 75 (Pol)

[STRUCTURE AND PROPERTIES OF HYPOPHYSEAL HORMONES. II. PROTEIN HORMONES OF THE HYPOPHYSIS] Pankov luA *Probl Endokrinol (Mosk)* 20: 104-14, May-Jun 74 (Rus) [78]

HYPOPITUITARY

ENHANCEMENT OF SOMATOMEDIN TITERS OF NORMAL AND HYPOPITUITARY SERA BY ADDITION OF L-TRIIODOTHYRONONE IN VITRO AT PHYSIOLOGICAL CONCENTRATIONS. Audhya TK, Gibson KD *Proc Natl Acad Sci USA* 72: 604-8, Feb 75 (Eng)

HYPOPITUITARY CHILD

HYPOGLYCEMIA IN HYPOPITUITARY CHILDREN. Hopwood NJ, Forsman PJ, Kenny FM, Drash AL *Am J Dis Child* 129: 918-26, Aug 75 (Eng)

HYPORESPONSIVENESS

HYPORESPONSIVENESS TO GLUCOPRIVATION DURING POSTNATAL PERIOD IN THE RAT. Gil-Ad I, Udeschini G, Cocchi D, Muller EE *Am J Physiol* 229: 512-7, Aug 75 (Eng)

HYPOTHALAMIC OBESITY

[PROCEEDINGS: HYPOTHALAMIC OBESITY IN MAN] Ishikawa K, Yamamoto A, Nishikawa M *Folia Endocrinol Jpn* 50: 648, 20 Feb 74 (Jpn)

[SIGNIFICANCE OF THE 2-DEOXY-D-GLUCOSE-TEST ON THE DIFFERENTIATION OF HYPOGLYCEMIA IN CHILDHOOD (AUTHORS TRANSL)] Kruse K, Bartels H *Klin Paediatr* 187: 308-13, Jul 75 (Ger)

MECHANISM OF HYPOGLYCAEMIA IN A PATIENT WITH MESENCHYMAL TUMOUR. Meinders AE, Smit EM, Cejka V, Braat MC *Neth J Med* 17: 227-33, 1974 (Eng)

HYPOGLYCEMIA: WHAT KIND OF PROBLEM IS IT Meloni CR *Am Fam Physician* 12: 108-11, Oct 75 (Eng)

HYPOGLYCEMIA IN HYPOPITUITARY CHILDREN. Hopwood NJ, Forsman PJ, Kenny FM, Drash AL *Am J Dis Child* 129: 918-26, Aug 75 (Eng)

[NEONATAL LACTIC ACIDOSIS AND HYPOGLYCEMIA DUE TO A CONGENITAL HEPATIC FRUCTOSE-1,6-DIPHOSPHATASE DEFICIENCY] Retbi JM, Gablani JC, Marsac C *Arch Fr Pediatr* 32: 367-80, Apr 75 (Fre)

HYPOGLYCEMIA EFFECT

THE EFFECT OF HYPOGLYCEMIA ON HYPOTHALAMIC THYROTROPIN-RELEASING HORMONE (IRH) IN THE RAT. Leung Y, Guansing AR, Ajlouni K, Hagen TC, Rosenfeld PS, Barborini JJ *Endocrinology* 97: 380-4, Aug 75 (Eng)

HYPOGLYCEMIA, INSULIN INDUCED

[SERUM LEVELS OF GROWTH HORMONE IN THE COURSE OF INSULIN-INDUCED HYPOGLYCEMIA IN HYPERTHYROIDISM AND HYPOTHYROIDISM] Schneider E *Pol Tyl Lek* 30: 1311-3, 4-11 Aug 75 (Pol)

HYPOGLYCEMIA, POSTPRANDIAL

POSTPRANDIAL HYPOGLYCEMIA. FACT OR FICTION Hofeldt FD, Adler RA, Herman RH *JAMA* 233: 1309, 22 Sep 75 (Eng)

HYPOGLYCEMIC

ORAL HYPOGLYCAEMICS IN DIABETES MELLITUS. Anonymous *Lancet* 2: 489-91, 13 Sep 75 (Eng)

HYPOGLYCEMIC AGENT

[A CLINICAL STUDY OF A NEW SULFONYLURES HYPOGLYCEMIC AGENT: GLIPIZIDE (GLIBENESE)(AUTHORS TRANSL)] Cochet B, Balant L, Rilliet B, Zahnd G *Praxis* 64: 562-8, 6 May 75 (Fre)

HYPOGLYCEMIC COMA

[ENCEPHALOPATHY DUE TO PROTRACTED HYPOGLYCEMIC COMA DURING LOW-DOSE INSULIN THERAPY] Cecchini S, del Greco V *Riv Neurobiol* 18: 55-64, Jan-Mar 72 (Ita)

HYPOGONADISM, HYPOGONADOTROPIC

HYPOTHALAMIC AND PITUITARY FUNCTION IN HYPOGONADOTROPIC HYPOGONADISM. Paulson DF, Wiebe HR, Hammond CB *Urology* 6: 333-6, Sep 75 (Eng)

HYPOLIPIDEMIC ACTIVITY

[STUDIES ON HYPOLIPIDEMIC AGENTS. IV. SYNTHESIS AND HYPOLIPIDEMIC ACTIVITIES OF 4-SUBSTITUTED PHENOXYISOBUTYRIC ACID DERIVATIVES (AUTHORS TRANSL)] Miyoshi F, Fukami H, Sako Y *J Pharm Soc Jpn* 94: 1061-9, Sep 74 (Jpn)

Diabetes Literature—Keyword Index

HYPOTROPHY

METABOLISM OF RADIOACTIVE INSULIN AT THE LEVEL OF THE LIVER IN RATS] Costinier E, Simionescu L, Oprescu M *Stud Cercet Endocrinol* 23: 253-8, 1972 (Rum)

HYPOTROPHY

[MORPHOLOGICAL AND HISTOCHEMICAL ANALYSIS OF ELEMENTS OF THE PLACENTAL BARRIER IN FULL-TERM NEONATE HYPOTROPHY (AUTHORS TRANSL)] Kolodziejczyk JW *Probl Med Wieku Rozwoj* 3: 133-63, 1973 (Pol)

HYPOXANTHINE

CYCLIC AMP, MEMBRANE TRANSPORT AND CELL DIVISION. I. EFFECTS OF VARIOUS CHEMICALS ON CYCLIC AMP LEVELS AND RATE OF TRANSPORT OF NEUCLEOSIDES, HYPOXANTHINE AND DEOXYGLUCOSE IN SEVERAL LINES OF CULTURED CELLS. Sheppard JR, Plagemann PG *J Cell Physiol* 85: 163-72, Apr 75 (Eng)

HYPOXIA

CEREBRAL METABOLISM IN HYPOXIC HYPOXIA. I. PATTERN OF ACTIVATION OF GLYCOLYSIS: A RE-EVALUATION. Norberg K, Siesjö BK *Brain Res* 86: 31-44, 14 Mar 75 (Eng)

HYPOXIA EFFECT

PHYSIOLOGICAL EFFECTS OF HYPOXIA AND TRYPTAN BLUE IN 17-DAY CHICK EMBRYOS. Hoffman DJ *Teratology* 12: 57-60, Aug 75 (Eng)

IMMUNOLOGIC REACTION

[LATE COMPLICATIONS OF DIABETES MELLITUS-CONSEQUENCE OF IMMUNOLOGIC REACTIONS] Bemm H, Lohmann D *Allerg Immunol (Leipz)* 20-21: 15-20, 1974-75 (Ger)

IMMUNOREACTIVE GLUCAGON

PLASMA IMMUNOREACTIVE INSULIN (IRI) AND IMMUNOREACTIVE GLUCAGON (IRG) AFTER EVISCERATION WITH AND WITHOUT A FUNCTIONAL LIVER. Penhos JC, Ezequiel M, Lepp A, Ramey ER *Diabetes* 24: 637-40, Jul 75 (Eng)

IMMUNOREACTIVE GLUCAGON RESPONSES TO INTRAVENOUS TOLBUTAMIDE IN CHRONIC PANCREATITIS. Kalk WJ, Vinik AI, Paul M, Leller P, Jackson WP *Diabetes* 24: 851-5, Sep 75 (Eng)

IMPOTENCE

IMPOTENCE AS A CONSEQUENCE OF ORGANIC DISEASE. Kent S *Geriatrics* 30: 155, 157, Sep 75 (Eng)

INFANT

[THE TECHNIC OF INFUSION TREATMENT AND PARENTERAL FEEDING IN NEWBORNS AND INFANTS] Dangel P *Infusionstherapie* 2: 34-43, Feb 75 (Ger)

[STUDIES UPON THE EFFECT OF AGE AND NUTRITIONAL FACTORS ON LIPID AND PROTEIN METABOLISM IN INFANTS (AUTHORS TRANSL)] Gornicki B, Litwin E, Krukowa A, Kleczkowska H, Rodkiewicz B, Kowalczyk Z, Dzieniszewska L, Wachnik Z, Symonowicz H *Probl Med Wieku Rozwoj* 1: 33-70, 1972 (Pol)

[STUDIES ON THE EFFECT OF MODE OF NUTRITION ON SOMATIC DEVELOPMENT

OF INFANTS. COMMUNICATION II. DEVELOPMENT OF SUBCUTANEOUS FATTY TISSUE IN INFANTS (AUTHORS TRANSL)] Gornicki B, Dzieniszewska-Klepachka L, Litwin E *Probl Med Wieku Rozwoj* 2: 27-43, 1972 (Pol)

INFANTILE

BLOOD SUGAR IN INFANTILE GASTRO-ENTERITIS. Glyn-Jones R S *Afr Med J* 49: 1474-6, 23 Aug 75 (Eng)

INFECTION

[OUR EXPERIENCE WITH THE TUBERCULOUS INFECTION IN CHILDREN] Jokanovic R, Nikezic M, Necic S *Srp Arh Celok Lek* 102: 866-73, Dec 74 (Ser)

INFORMATION

[INCREASED INFORMATION GAINED THROUGH CONTRAST-STEERED FUNDUS PHOTOGRAPHS] Meinel U, Hogner W *Klin Monatsbl Augenheilkd* 165: 887-91, Dec 74 (Ger)

INFUSION

[THE TECHNIC OF INFUSION TREATMENT AND PARENTERAL FEEDING IN NEWBORNS AND INFANTS] Dangel P *Infusionstherapie* 2: 34-43, Feb 75 (Ger)

INFUSION, INTRAVENOUS

[TREATMENT OF SEVERE DIABETIC KETOACIDOSIS WITH CONTINUOUS INTRAVENOUS INFUSION OF LOW DOSES OF INSULIN] Anonymous *Tidsskr Nor Laegeforen* 95: 1415-6, 10 Sep 75 (Nor)

INHIBITING FACTOR

[PROCEEDINGS: STUDY OF GIF (GROWTH HORMONE INHIBITING FACTOR). (II). EFFECT OF GIF ON PLASMA GH AND PROLACTIN LEVELS OF RATS TREATED WITH NEMBUTOL AND CHLORPROMAZINE] Sawano S, Kokubu T, Ishizuka Y, Baba Y *Folia Endocrinol Jpn* 50: 269, 20 Feb 74 (Jpn)

[PROCEEDINGS: BIOLOGICAL ACTION OF GROWTH HORMONE SECRETION INHIBITING FACTOR] Oshima K, Nabusa K, Isobe J, Saito S, Nagao T *Folia Endocrinol Jpn* 50: 272, 20 Feb 74 (Jpn)

INNERVATION

OBSERVATIONS ON THE INTRINSIC INNERVATION OF THE ISLET OF LANGERHANS OF RATTUS RATTUS RUPESCENS (INDIAN BLACK RAT). Purwar RS *Acta Anat (Basel)* 92: 8-13, 1975 (Eng)

INNERVATION, ADRENERGIC

ADRENERGIC RECEPTORS IN ADIPOSE TISSUE AND THEIR RELATION TO ADRENERGIC INNERVATION. Rosell S, Belfrage E *Nature* 253: 738-9, 27 Feb 75 (Eng)

INSECTICIDE INDUCED RELEASE

INSECTICIDE-INDUCED RELEASE OF HYPERGLYCAEMIC AND ADIPOLINETIC HORMONES OF SCHISTOCERCA GREGARIA. Samaranyaka M *Gen Comp Endocrinol* 24: 424-36, Dec 74 (Eng)

INSULIN

[INFLUENCE OF DIET, CORTISONE AND INSULIN ON VARIATIONS IN ENZYME AC-

TIVITY OF PYRUVATE CARBOXYLASE (EC 6.4.1.1) AND PHOSPHOENOLPYRUVATE CARBOXYKINASE (EC 4.1.1.32) IN RAT LIVER] Peret J, Chanez M C *R Acad Sci (D) (Paris)* 279: 2095-8, 23 Dec 74 (Fre)

[LETTER: LOW-DOSE INSULIN THERAPY IN DIABETIC COMA: DOCUMENTATION OF RESULTING INSULIN LEVELS] Berger M, Cuppers HJ, Berchtold P, Zimmermann H *Dtsch Med Wochenschr* 100: 1995-6, 26 Sep 75 (Ger)

[COMPARISON OF BLOOD GLUCOSE AND INSULIN CONCENTRATIONS IN MAN AFTER INTRAVENOUS INJECTION OF 1.0, 0.1 AND 0.01 MG OF GLUCAGON (AUTHORS TRANSL)] Okuno G *Folia Endocrinol Jpn* 51: 202-8, 20 Apr 75 (Jpn)

EFFECT OF GLUCOSE AND ANTI-INSULIN SERUM ON INSULIN RELEASED FROM ADULT RAT ISOLATED ISLETS OF LANGERHANS IN LONG-TERM ORGAN CULTURE (FOURTEEN DAYS). Turcot-Lemay L, Lacy PE *Diabetes* 24: 658-63, Jul 75 (Eng)

PROTEIN SYNTHESIS AND AMINO ACID ACCUMULATION DURING DEVELOPMENT IN THE RAT: DISSOCIATION OF DIAPHRAGM AND HEART MUSCLE SENSITIVITY TO INSULIN. Asplund K *Horm Res* 6: 12-9, 1975 (Eng)

REGULATION, BY INSULIN, OF LIPOPROTEIN LIPASE AND PHOSPHODIESTERASE ACTIVITIES IN RAT ADIPOSE TISSUE. Desai K, Hollenberg CH *Isr J Med Sci* 11: 540-50, Jun 75 (Eng)

INTERRELATIONS OF GLUCOSE, INSULIN AND GLUCAGON AFTER OVERNIGHT FAST AND IN RESPONSE TO ORAL GLUCOSE DURING LATE PREGNANCY. Nitzan M, Freinkel N, Metzger BE, Unger RH, Faloona GR, Daniel RR *Isr J Med Sci* 11: 617-22, Jun 75 (Eng)

APPETITE AND INSULIN-METABOLITE HARMONY IN PORTAL BLOOD OR SHEEP FED HIGH OR LOW ROUGHAGE DIET WITH OR WITHOUT INTRARUMINAL INFUSION OF VFA. Bhattacharya AN, Alulu M *J Anim Sci* 41: 225-33, Jul 75 (Eng)

ADMINISTRATION OF GLUCOSE-INSULIN-POTASSIUM SOLUTION (GIK) AND VALVE REPLACEMENT IN PATIENTS WITH ADVANCED VALVULAR DISEASE. Asano K, Sakashita I, Ando T *J Cardiovasc Surg (Torino) SPEC NO*: 370-3, 1975 (Eng)

RADIORECEPTOR ASSAY OF INSULIN: COMPARISON OF PLASMA AND PANCREATIC INSULINS AND PROINSULINS. Gavin JR 3d, Kahn CR, Gordon P, Roth J, Neville DM Jr *J Clin Endocrinol Metab* 41: 438-45, Sep 75 (Eng)

EFFECT OF MEAL-FEEDING ON THE DAILY VARIATIONS OF INSULIN, GLUCOSE, AND NADP-LINKED DEHYDROGENASES IN RATS. Kaul L, Berdanier CD *J Nutr* 105: 1132-40, Sep 75 (Eng)

EFFECTS OF CARBOHYDRATE-FREE DIETS ON THE INSULIN-CARBOHYDRATE RELATIONSHIPS IN RATS. Carmel N, Konijn AM, Kaufman NA, Guggenheim K *J Nutr* 105: 1141-9, Sep 75 (Eng)

[2 CASES OF LOW CARDIAC OUTPUT SYNDROME EFFECTIVELY TREATED WITH INSULIN] Okada K, Ko H, Tochiuchi H, Iwabuchi T, Kaneda M *Jpn J Anesthesiol* 24: 621-4, Jun 75 (Jpn)

INSULIN AND HYDROCORTISONE EFFECTS ON VIABILITY AND GLYCOGEN STORES OF POSTNATAL RAT LIVER ORGAN CULTURE. Reed GB, Grisham JW *Lab Invest* 33: 298-304, Sep 75 (Eng)

[APPARENT INSULIN INCOMPATIBILITY IN A CASE OF ARTHUS PHENOMENON CAUSED BY SURFEN] Forck G, Wilhelm E, Baumeister

Diabetes Literature—Keyword Index

INSULIN LIKE ACTIVITY, NONSUPPRESSIBLE

G, Westerloh K *Med Welt* 26: 664-9, 4 Apr 75 (Ger)

IS THE EVOLUTION OF INSULIN DARWINIAN OR DUE TO SELECTIVELY NEUTRAL MUTATION Blundell TL, Wood SP *Nature* 257: 197-203, 18 Sep 75 (Eng)

[LACTIC ACIDOSIS TREATED WITH GLUCOSE AND INSULIN] Brubakk O, Hopen G *Tidsskr Nor Laegeforen* 95: 1412-3, 10 Sep 75 (Nor)

[TREATMENT OF SEVERE DIABETIC KETOACIDOSIS WITH CONTINUOUS INTRAVENOUS INFUSION OF LOW DOSES OF INSULIN] Anonymous *Tidsskr Nor Laegeforen* 95: 1415-6, 10 Sep 75 (Nor)

INSULIN—THE SIPHON REGULATOR Bargman GJ *Wis Med J* 74: 93-4, Aug 75 (Eng)

EFFECTS OF ALLOXAN DIABETES AND INSULIN ON MORPHOLOGY AND CERTAIN FUNCTIONAL ACTIVITIES OF MITOCHONDRIA OF THE RAT LIVER AND HEART Marinari UM, Monacelli R, Cottalasso D, Novelli A *Acta Diabetol Lat* 11: 296-314, Jul-Aug 74 (Eng)

BEHAVIOR OF PANCREATIC GLUCAGON, INSULIN, AND HIGH IN LIVER CIRRHOSIS, AFTER ARGININE AND L.V. GLUCOSE Greco AV, Ghirlanda G, Patrono C, Fedili G, Manna R *Acta Diabetol Lat* 11: 330-9, Jul-Aug 74 (Eng)

THE INFLUENCE OF SEROTONIN ON INSULIN-STIMULATED GASTRIC SECRETION, BLOOD GLUCOSE AND SERUM ELECTROLYTE LEVELS IN THE UNANESTHETIZED RAT Hano J, Bugajski J, Daneš L, Wantuch C *Arch Int Pharmacodyn Ther* 216: 28-39, Jul 75 (Eng)

INSULIN ACTION

SYMPOSIUM I: HORMONE-FUEL INTERACTIONS IN NORMAL AND DIABETIC MAN. THE LIVER AS SITE OF INSULIN AND GLUCAGON ACTION IN NORMAL, DIABETIC AND OBESE HUMANS Felig P, Wahren J *Isr J Med Sci* 11: 528-39, Jun 75 (Eng) [55]

INSULIN ANTIBODY

INSULIN ANTIBODY FORMATION DURING LONG-TERM TREATMENT WITH MONOCOMPONENT AND MONOSPECIES INSULIN Piers DA, Sluiter WJ, Reitsma WD, Doorenbos H *Neth J Med* 17: 234-8, 1974 (Eng)

INSULIN BINDING

INSULIN RECEPTORS IN THE HEART MUSCLE. DEMONSTRATION OF SPECIFIC BINDING SITES AND IMPAIRMENT OF INSULIN BINDING IN THE PLASMA MEMBRANE OF THE OBESE HYPERGLYCEMIC MOUSE Forgue ME, Freychet P *Diabetes* 24: 715-23, Aug 75 (Eng)

INSULIN, BLOOD

[TEMPORAL RELATIONSHIP CONCERNING CHANGES IN BLOOD INSULIN, SUGAR AND ADENOSINE-35-MONOPHOSPHATE FOLLOWING ADMINISTRATION OF GLUCAGON TO HEALTHY SUBJECTS] Czekalski S, Kosowicz J, Kozak W, Ruzsowska J *Pol Arch Med Wewn* 54: 127-32, Aug 75 (Pol)

[BLOOD INSULIN IN VIRAL HEPATITIS] Pieterowa R, Torzecka W, Fabianowski J, Stempień R, Polakowski P *Pol Tyg Lek* 30: 1385-8, 25 AUG 75 (Pol)

INSULIN, BOVINE

[ISOLATION AND PROPERTIES OF AN INSULIN-LIKE PEPTIDE FROM A HIGH MOLECULAR A-COMPONENT OF COMMERCIAL BOVINE INSULIN] Zuhlike H, Kohner KD, Wilke B, Schmidt S *Acta Biol Med Ger* 33: 399-406, 1974 (Ger)

INSULIN CATABOLISM

CATABOLISM OF PROINSULIN AND INSULIN. PROTEOLYTIC ACTIVITIES IN LANGERHANS ISLETS OF RAT AND MICE PANCREAS IN VITRO Zuhlike H, Jahr H, Schmidt S, Gottschling D, Wilke B, Kanyš H, Kaleta C, Pieper I *Acta Biol Med Ger* 33: 407-18, 1974 (Eng)

INSULIN CURVE

[GROWTH HORMONE AND INSULIN CURVE FOLLOWING GLUCOSE LOADING IN PATIENTS WITH ACROMEGALY] Kolaszynski J, Owczarczyk I, Pawlikowski M *Endokrynol Pol* 26: 265-9, May-Jun 75 (Pol)

INSULIN DEGRADATION

INSULIN DEGRADATION. XV. USE OF DIFFERENT ASSAY METHODS FOR THE STUDY OF MECHANISM OF ACTION OF GLUTATHIONE-INSULIN TRANSHYDROGENASE Chandler ML, Varadani PT *Biochim Biophys Acta* 397: 307-17, 26 Aug 75 (Eng)

INSULIN DEPENDENT DIABETIC

PSYCHOLOGICAL PROBLEMS IN LONG-STANDING INSULIN-DEPENDENT DIABETIC PATIENTS Ack M *Kidney Int [Suppl]* 141-3, Oct 74 (Eng)

RENAL TRANSPLANTATION IN INSULIN-DEPENDENT DIABETIC PATIENTS Kjellstrand CM, Sideman JR, Simmons RL, Buselmeier TJ, von Hartitzsch B, Goetz FC, Najarian JS *Kidney Int [Suppl]* 15-20, Oct 74 (Eng)

METABOLIC PROBLEMS IN LONG-STANDING INSULIN-DEPENDENT DIABETIC PATIENTS Cahill GF Jr *Kidney Int [Suppl]* 47-50, Oct 74 (Eng) [25]

NEUROPATHY IN LONG-STANDING INSULIN-DEPENDENT DIABETIC PATIENTS Elleberg M *Kidney Int [Suppl]* 77-85, Oct 74 (Eng) [29]

INSULIN DISEASE REACTION

[COMPARISON OF INSULIN REACTIONS IN VARIOUS DISEASES TO GLUCOSE, ARGinine, AND GLUCAGON] Taminato A, Inoue Y, Mori K, Goto K, Kurahachi H *Clin Endocrinol (Tokyo)* 23: 373-9, Apr 75 (Jpn)

INSULIN DOSE

ERRORS IN INSULIN DOSES DUE TO THE DESIGN OF INSULIN SYRINGES Shainfield FJ *Pediatrics* 56: 302-3, Aug 75 (Eng)

INSULIN EFFECT

[EFFECT OF INSULIN AND DIABETES ON NON-ESTERIFIED FATTY ACID PLASMA LEVELS IN FETUS AND NEWBORN RAT] Picot L, Irondeille MM, Prudont G *C R Acad Sci [D] (Paris)* 279: 2067-9, 23 Dec 74 (Fre)

HORMONAL REGULATION OF INCORPORATION OF ALANINE-U-14C INTO GLUCOSE IN HUMAN FETAL LIVER EXPLANTS. EFFECT OF DIBUTYRYL CYCLIC AMP, GLUCAGON, INSULIN, AND TRIAMCINOLONE Schwartz AL, Rall TW *Diabetes* 24: 650-7, Jul 75 (Eng)

[EFFECT OF INSULIN ON THE NUCLEIC ACID LEVELS IN THE BLOOD OF PATIENTS WITH DIABETES MELLITUS] Franchuk MM *Ter Arkh* 47: 132-4, 1975 (Rus)

HORMONE ACTION AND MEMBRANE FLUIDITY: EFFECT OF INSULIN AND CORTISOL ON THE HILL COEFFICIENTS OF RAT ERYTHROCYTE MEMBRANE-BOUND ACETYLCHOLINESTERASE AND (NA⁺ & K⁺)-ATPASE Massa EM, Moreno RD, Bloj B, Farias RN *Biochem Biophys Res Commun* 66: 115-22, 2 Sep 75 (Eng)

INSULIN, IMMUNOREACTIVE

PLASMA IMMUNOREACTIVE INSULIN (IRI) AND IMMUNOREACTIVE GLUCAGON (IRG) AFTER EVISCERATION WITH AND WITHOUT A FUNCTIONAL LIVER Penhos JC, Ezequiel M, Lepp A, Ramey ER *Diabetes* 24: 637-40, Jul 75 (Eng)

[BLOOD GLUCOSE AND IMMUNOREACTIVE INSULIN IN CHILDREN WITH DIABETIC SIBLINGS AND DIABETIC MOTHERS (AUTHORS TRANSL.)] Waldhausi W, Rosenkranz A, Dudeczak R *Z Kinderheilkd* 120: 59-68, 1 Jul 75 (Ger)

INSULIN INCOMPATIBILITY

[APPARENT INSULIN INCOMPATIBILITY IN A CASE OF ARTHUS PHENOMENON CAUSED BY SURFEN] Forck G, Wilhelm E, Baumeister G, Westerloh K *Med Welt* 26: 664-9, 4 Apr 75 (Ger)

INSULIN, INTRAMUSCULAR

[SMALL DOSES OF INTRAMUSCULAR INSULIN IN TREATMENT OF DIABETIC COMA] Reinholdtsen J *Tidsskr Nor Laegeforen* 95: 1413-4, 10 Sep 75 (Nor)

INSULIN, INTRAVENOUS

CARRIER SOLUTIONS FOR LOW-LEVEL INTRAVENOUS INSULIN INFUSION Kraegen EW, Lazarus L, Meler H, Campbell L, Chia YO *Br Med J* 3: 464-6, 23 Aug 75 (Eng)

LETTER: SMALL INTRAVENOUS INSULIN BOLUSES IN THE TREATMENT OF DIABETIC COMA Clumek N, Detroyer A, Naeije R, Ectors M, Balasse EO *Lancet* 2: 416, 30 Aug 75 (Eng)

LETTER: INTRAVENOUS INSULIN BOLUSES IN TREATMENT OF DIABETIC COMA Alberti KG *Lancet* 2: 547-8, 20 Sep 75 (Eng)

INSULIN LIKE

INSULIN-LIKE INSULINASE-RESISTANT MATERIAL, DISTINGUISHABLE FROM NORMAL INSULIN, IN JUVENILE DIABETES Crossley JR, Elliott RB *Diabetes* 24: 609-17, Jul 75 (Eng)

INSULIN LIKE ACTIVITY, NONSUPPRESSIBLE

NONSUPPRESSIBLE INSULIN-LIKE ACTIVITY: BIOLOGICAL ACTIVITY AND RECEPTOR BINDING Zapf J, Mader M, Waldvogel M, Froesch ER *Isr J Med Sci* 11: 664-78, Jul 75 (Eng)

CIRCULATING NSILA-S IN MAN: PRELIMINARY STUDIES OF STIMULI IN VIVO AND OF BINDING TO PLASMA COMPONENTS Megyesi K, Kahn CR, Roth J, Gorden P *J Clin Endocrinol Metab* 41: 475-84, Sep 75 (Eng)

STUDIES IN CONGENITAL GENERALIZED LIPODYSTROPHY. VI. SUPPRESSIBLE AND NON-SUPPRESSIBLE INSULIN-LIKE AC-

Diabetes Literature—Keyword Index

INSULIN METABOLISM

TITIVITIES OF PLASMA. Svik O, Oseid S *Acta Endocrinol (Kbh)* 79: 720-8, Aug 75 (Eng)

INSULIN METABOLISM

INSULIN AND GLUCOSE METABOLISM IN RENAL INSUFFICIENCY. Reaven GM, Weisinger JR, Swenson RS *Kidney Int [Suppl]* 63-9, Oct 74 (Eng) [39]

INSULIN, MONOCOMPONENT

LETTER: CLINICAL ASPECTS OF MONOCOMPONENT INSULIN IN DIABETES. Vinik AI, Jackson WP *Lancet* 2: 5488, 20 Sep 75 (Eng)

INSULIN, PANCREATIC

THE PANCREATIC INSULIN CONTENT AND ITS RELATIONSHIP TO PLASMA GLUCOSE AND FREE FATTY ACID CONCENTRATIONS IN THE EMBRYO AND NEONATAL CHICK. Langslow DR *Br Poult Sci* 16: 329-33, Jul 75 (Eng)

RADIORECEPTOR ASSAY OF INSULIN: COMPARISON OF PLASMA AND PANCREATIC INSULINS AND PROINSULINS. Gavin JR 3d, Kahn CR, Gorden P, Roth J, Neville DM Jr *J Clin Endocrinol Metab* 41: 438-45, Sep 75 (Eng)

INSULIN, PLASMA

STUDIES ON GROWTH HORMONE SECRETION. VII. EFFECTS OF SOMATOSTATIN ON PLASMA GH, INSULIN, AND GLUCAGON IN SHEEP. Bryce D, Yeh M, Funderburk C, Todd H, Hertelendy F *Diabetes* 24: 842-50, Sep 75 (Eng)

[ALTERATIONS IN PLASMA INSULIN AND BLOOD GLUCOSE DURING ANESTHESIA AND SURGERY] Gosheva-Antonova Ts, Turkoletov N *Khirurgiia (Sofia)* 27: 487-92, 1974 (Bul)

INSULIN, RADIOACTIVE

[INFLUENCE OF EXPERIMENTAL HYPER- AND HYPOTHYROIDISM ON THE METABOLISM OF RADIOACTIVE INSULIN AT THE LEVEL OF THE LIVER IN RATS] Costiner E, Simionescu L, Oprea M *Stud Cercet Endocrinol* 23: 253-8, 1972 (Rum)

INSULIN RECEPTOR

INSULIN RECEPTORS IN THE HEART MUSCLE. DEMONSTRATION OF SPECIFIC BINDING SITES AND IMPAIRMENT OF INSULIN BINDING IN THE PLASMA MEMBRANE OF THE OBESE HYPERGLYCEMIC MOUSE. Forgue ME, Freychet P *Diabetes* 24: 715-23, Aug 75 (Eng)

INSULIN RECEPTORS IN FAT CELLS: RELATIONSHIP BETWEEN BINDING AND ACTIVATION. Gliemann J, Gammeltoft S, Vinten J *Isr J Med Sci* 11: 656-63, Jul 75 (Eng)

RECENT STUDIES ON INSULIN-RECEPTOR INTERACTIONS. Freychet P *Isr J Med Sci* 11: 679-86, Jul 75 (Eng)

INSULIN RECEPTOR DEFICIENCY

INSULIN RECEPTOR DEFICIENCY IN GENETIC AND ACQUIRED OBESITY. Soli AH, Kahn CR, Neville DM Jr, Roth J *J Clin Invest* 56: 769-80, Oct 75 (Eng)

INSULIN RELEASE

THE SIGNIFICANCE OF CALCIUM FOR GLUCOSE STIMULATION OF INSULIN RELEASE. Hellman B *Endocrinology* 97: 392-8, Aug 75 (Eng)

REGULATION OF IN VITRO INSULIN RELEASE FROM A TRANSPLANTABLE SYRIAN HAMSTER INSULINOMA. Shapiro S, Eto S, Fleischer N, Baum SG *Endocrinology* 97: 442-7, Aug 75 (Eng)

GLUCAGON AND INSULIN RELEASE FROM THE ALLOGRAFTED CANINE PANCREAS. Brynger H, Claes G, Lernmark A *Eur Surg Res* 7: 170-80, 1975 (Eng)

HYPERLIPIDEMIA AND HEPATIC HYPERLIPOGENESIS IN SPINY MICE (ACOMYS CAHIRINUS) ON CARBOHYDRATE DIETS: RELATIONSHIP TO PERIPHERAL UNDERRESPONSIVENESS AND LOW INSULIN RELEASE. Shafir E, Benchimol A, Orevi M *Isr J Med Sci* 11: 738-52, Jul 75 (Eng)

NEW ASPECTS OF THE ROLE OF SEROTONIN IN THE INSULIN RELEASE MECHANISM. Barath P *Acta Diabetol Lat* 11: 315-29, Jul-Aug 74 (Eng)

INSULIN RESISTANCE

HYPERINSULINEMIA, INSULIN RESISTANCE AND CATARACT FORMATION IN SAND RATS. Gutman A, Andreus A, Adler JH *Isr J Med Sci* 11: 714-22, Jul 75 (Eng)

INSULIN RESPONSE

DECREASED CYCLIC AMP AND INSULIN RESPONSE TO GLUCOSE IN ISOLATED ISLETS OF NEONATAL RATS. Grill V, Asplund K, Hellerstrom C, Cerasi E *Diabetes* 24: 746-52, Aug 75 (Eng)

AGE-ADJUSTED ANALYSIS OF INSULIN RESPONSES DURING NORMAL AND ABNORMAL GLUCOSE TOLERANCE TESTS IN CHILDREN AND ADOLESCENTS. Rosenbloom AL, Wheeler L, Bianchi R, Chin FT, Tiwary CM, Grgic A *Diabetes* 24: 820-8, Sep 75 (Eng)

A NEW CONCEPT FOR THE EVALUATION OF THE BLOOD GLUCOSE AND INSULIN RESPONSES OF HEALTH SUBJECTS FOLLOWING AN ORAL GLUCOSE LOAD. Szabo O, Oppermann W, Victor C, Camerini-Davalos RA *Acta Diabetol Lat* 11: 265-76, Jul-Aug 74 (Eng)

INSULIN RESPONSIVENESS

EFFECT OF WEIGHT REDUCTION ON INSULIN RESPONSIVENESS AND TRIGLYCERIDE LEVELS IN PATIENTS WITH ENDOGENOUS HYPERTRIGLYCERIDAEMIA. De Vries O, Sluiter WJ, Reitsma WD, Doorenbos H *Neth J Med* 17: 212-19, 1974 (Eng)

INSULIN SECRETION

POTENTIATION OF THE ADRENERGIC BETA-RECEPTOR-MEDIATED INSULIN SECRETION IN PERTUSSIS-SENSITIZED RATS. Sumi T, Ui M *Endocrinology* 97: 352-8, Aug 75 (Eng)

ARGININE-STIMULATED ACUTE PHASE OF INSULIN AND GLUCAGON SECRETION. I. IN NORMAL MAN. Palmer JP, Walter RM, Ensick JW *Diabetes* 24: 735-40, Aug 75 (Eng)

EFFECTS OF CYPROHEPTADINE ON INSULIN SECRETION BY ISOLATED PERFUSED RAT ISLETS. Richardson BP, McDaniel ML, Lacy PE *Diabetes* 24: 836-41, Sep 75 (Eng)

[THE INFLUENCE OF ALPHA RECEPTOR BLOCKADERS ON INSULIN SECRETION STIMULATED BY GLUCOSE DURING ANESTHESIA AND SURGERY] Stremmel W *Infusionstherapie* 1: 307-13, Apr 74 (Ger)

DEFECTIVE INSULIN SECRETION IN THE SPINY MOUSE (ACOMYS CAHIRINUS).

POSSIBLE VALUE IN THE STUDY OF THE PATHOPHYSIOLOGY OF DIABETES. Rabinovitch A, Gutzeit A, Grill V, Kikuchi M, Renold AE, Cerasi E *Isr J Med Sci* 11: 730-7, Jul 75 (Eng)

ACUTE-PHASE INSULIN SECRETION AND GLUCOSE TOLERANCE IN YOUNG AND AGED NORMAL MEN AND DIABETIC PATIENTS. Palmer JP, Ensick JW *J Clin Endocrinol Metab* 41: 498-503, Sep 75 (Eng)

THE INHIBITORY EFFECT OF SOMATOSTATIN ON GROWTH HORMONE, INSULIN AND GLUCAGON SECRETION IN DIABETES MELLITUS. Ward FR, Leblanc H, Yen SS *J Clin Endocrinol Metab* 41: 527-32, Sep 75 (Eng)

INHIBITORY EFFECT OF PREDNISONE ON INSULIN SECRETION IN MAN: MODEL FOR DUPLICATION OF BLOOD GLUCOSE CONCENTRATION. Kalhan SC, Adam PA *J Clin Endocrinol Metab* 41: 600-10, Sep 75 (Eng)

DYNAMICS OF CANINE PANCREATIC BLOOD FLOW AND OF INSULIN SECRETION DURING AN INTRAVENOUS GLUCOSE LOAD. Fischer U, Hommel H, Schmid E *Pfluegers Arch* 358: 89-100, 9 Jul 75 (Eng)

[EFFECT OF GLUCAGON ON INSULIN SECRETION IN ACUTE VIRAL HEPATITIS] Kiczka W, Juszczak J, Adamek J, Kosowicz J, Porawska J *Pol Tyg Lek* 30: 1295-8, 4-11 Aug 75 (Pol)

INSULIN SEQUENCE B 22-25

STRUCTURE AND ACTIVITY OF INSULIN, XIII. SPECIFICITY OF THE ARGININE-GUANIDINO GROUP IN BIOLOGICALLY ACTIVE TETRAPEPTIDES OF THE INSULIN SEQUENCE B 22-25 (ARG-GLY-PHE-PHE). Weitzel G, Eisele K, Stock W *Hoppe Seylers Z Physiol Chem* 356: 583-90, May 75 (Eng)

INSULIN, SERUM

DOUBLE-ANTIBODY RADIOIMMUNOASSAY OF SERUM INSULIN: EFFECT OF USE OF HORMONE-DEPLETED HUMAN SERUM. Silbert CK, Sawin CT *Clin Chem* 21: 1520-2, Sep 75 (Eng)

LETTER: DEPRESSION OF SERUM INSULIN BY SOMATOSTATIN. Berger M, Berchtold P *N Engl J Med* 293: 723, 2 Oct 75 (Eng)

INSULIN STIMULATION

THE ENTERAL INSULIN-STIMULATION AFTER WHIPPLES OPERATION. Rehfeld JF, Stadil F, Baden H, Fischerman K *Diabetologia* 11: 207-10, Jun 75 (Eng)

INSULIN STRUCTURE

STRUCTURE AND ACTIVITY OF INSULIN, XIII. SPECIFICITY OF THE ARGININE-GUANIDINO GROUP IN BIOLOGICALLY ACTIVE TETRAPEPTIDES OF THE INSULIN SEQUENCE B 22-25 (ARG-GLY-PHE-PHE). Weitzel G, Eisele K, Stock W *Hoppe Seylers Z Physiol Chem* 356: 583-90, May 75 (Eng)

INSULIN SYRINGE DESIGN

ERRORS IN INSULIN DOSES DUE TO THE DESIGN OF INSULIN SYRINGES. Shainfield FJ *Pediatrics* 56: 302-3, Aug 75 (Eng)

INSULIN THERAPY

[LETTER: LOW-DOSE INSULIN THERAPY IN DIABETIC COMA: DOCUMENTATION OF RESULTING INSULIN LEVELS] Berger M, Cuppers HJ, Berchtold P, Zimmermann H *Dtsch Med Wochenschr* 100: 1995-6, 26 Sep 75 (Ger)

Diabetes Literature—Keyword Index

INSULIN THERAPY, LOW DOSE

[ENCEPHALOPATHY DUE TO PROTRACTED HYPOGLYCEMIC COMA DURING LOW-DOSE INSULIN THERAPY] Cecchini S, del Greco V *Riv Neurobiol* 18: 55-64, Jan-Mar 72 (Ita)

INSULIN TOLERANCE TEST

ALTERED HYPOTHALAMIC-PITUITARY-ADRENAL RESPONSIVENESS TO DEXAMETHASONE-INSULIN TOLERANCE TEST IN ACTIVE ACROMEGALY. Hofeldt FD, Levin SR, Von Werder K, Becker N, Schneider V, Hane S, Seymour R, Adams JE, Forsham PH *J Clin Endocrinol Metab* 41: 399-401, Aug 75 (Eng)

INSULIN TREATED DIABETIC

METABOLIC RHYTHMS IN NORMAL AND DIABETIC MAN. STUDIES IN INSULIN-TREATED DIABETES. Alberti KG, Dornhorst A, Rowe AS *Isr J Med Sci* 11: 571-80, Jun 75 (Eng)

INSULIN TREATMENT

OBSERVATIONS ON SODIUM RETENTION RELATED TO INSULIN TREATMENT OF EXPERIMENTAL DIABETES. Blumenthal SA *Diabetes* 24: 645-9, Jul 75 (Eng)

INSULINASE

INSULIN-LIKE INSULINASE-RESISTANT MATERIAL, DISTINGUISHABLE FROM NORMAL INSULIN, IN JUVENILE DIABETES. Crossley JR, Elliott RB *Diabetes* 24: 609-17, Jul 75 (Eng)

INSULINOMA

[PROCEEDINGS: 4. METABOLIC CHANGES AT EPINEPHRINE LOADING IN PATIENTS WITH INSULINOMA] Sakamoto N, Hotta A, Yoshida M, Sato S, Nagashima M *Folia Endocrinol Jpn* 50: 543, 20 Feb 74 (Jpn)

INSULINOMA, TRANSPLANTABLE

REGULATION OF IN VITRO INSULIN RELEASE FROM A TRANSPLANTABLE SYRIAN HAMSTER INSULINOMA. Shapiro S, Eto S, Fleischer N, Baum SG *Endocrinology* 97: 442-7, Aug 75 (Eng)

INTENSIVE CARE NURSERY

EARLY GROWTH AND DEVELOPMENT IN LOW-BIRTHWEIGHT INFANTS FOLLOWING TREATMENT IN AN INTENSIVE CARE NURSERY. Fitzhardinge PM *Pediatrics* 56: 162-72, Aug 75 (Eng)

INTERFERING FACTOR

[INTERFERING FACTORS AND SOURCES OF ERROR IN THE FUNCTIONAL DIAGNOSIS OF DIABETES MELLITUS] Kuhnau J *Jr Dtsch Med Wochenschr* 100: 1851-3, 12 Sep 75 (Ger)

INTESTINAL BYPASS SURGERY

REGRESSION OF ESTABLISHED NATURAL ATHEROSCLEROTIC LESIONS BY INTESTINAL BYPASS SURGERY IN PIGEONS: STRUCTURE AND CHEMISTRY. Kottke BA, Unni KK, Carlo IA, Subbiah MT *Trans Assoc Am Physicians* 87: 263-70, 1974 (Eng)

INTESTINAL TRANSPORT

STUDIES ON THE ACTION OF HORMONES ON THE INTESTINAL TRANSPORT OF L-HISTIDINE. Kansal VK, Wagle DS *Indian J Physiol Pharmacol* 19: 28-33, Jan-Mar 75 (Eng)

INTESTINE, HAMSTER

EFFECT OF FAT FEEDING ON COMPLEX LIPID SYNTHESIS IN HAMSTER INTESTINE. Mansbach CM *Gastroenterology* 68: 708-14, Apr 75 (Eng)

EFFECTS OF SEA NETTLE TOXIN ON GLUCOSE TRANSPORT IN HAMSTER INTESTINE. Watrous J, Dubyak G, Sawula B *Toxicol* 12: 657-8, Dec 74 (Eng)

INTESTINE, SMALL

DISTINCT COMPONENTS OF NEUTRAL AMINO ACID TRANSPORT IN CHICK SMALL INTESTINE. Miller DS, Burrill P, Lerner J *Comp Biochem Physiol [A]* 47: 767-77, 1 Feb 74 (Eng)

SUGAR ABSORPTION BY MOUSE SMALL INTESTINE. Herzberg GR, Howland JL *Comp Biochem Physiol [A]* 47: 1191-8, 1 Apr 74 (Eng)

[INFLUENCE OF THE SUPPLEMENTATION OF RATION WITH CONJUGATED BILIARY SALTS ON THE EQUIPMENT AND BILIARY ACIDS OF THE SMALL INTESTINE IN THE RAT. MODIFICATIONS OF THE APPARENT ABSORPTION OF FATTY ACIDS] Demarne Y, Sacquet E, Van Heijenoort Y, Mathis C *Ann Biol Anim Biochim Biophys* 14: 239-50, 1974 (Fre)

INTESTINE, TURTLE

THE EFFECT OF VITAMINE B6 ON ALANINE TRANSPORT IN TURTLE INTESTINE. Hajjar JJ, Khatib AH *Comp Biochem Physiol [A]* 47: 1135-44, 1 Apr 74 (Eng)

INTIMA

THE GROSS AND HISTOLOGIC APPEARANCE AND THE LIPID COMPOSITION OF NORMAL INTIMA AND LESIONS FROM HUMAN CORONARY ARTERIES AND AORTA. Pangamala RV, Geer JC, Sharma HM, Cornwell DG *Atherosclerosis* 20: 93-104, Jul-Aug 74 (Eng)

[EFFECT OF PYRIDINOLCARBAMATE ON LIPID METABOLISM OF NORMAL AND ARTERIOSCLEROTIC INTIMA IN HUMAN FEMORAL ARTERIES] Horsch AK, Gilli J, Schreiter U *Verh Dtsch Ges Inn Med* 80: 952-4, 1974 (Ger)

INTIMA, FEMORAL ARTERY

[EFFECT OF PYRIDINOLCARBAMATE ON LIPID METABOLISM OF NORMAL AND ARTERIOSCLEROTIC INTIMA IN HUMAN FEMORAL ARTERIES] Horsch AK, Gilli J, Schreiter U *Verh Dtsch Ges Inn Med* 80: 952-4, 1974 (Ger)

INTRACELLULAR

POTASSIUM TRANSPORT AND THE RELATIONSHIP BETWEEN INTRACELLULAR POTASSIUM CONCENTRATION AND AMINO ACID UPTAKE BY CELLS OF A MARINE PSEUDOMONAD. Thompson J, MacLeod RA *J Bacteriol* 120: 598-603, Nov 74 (Eng)

INTRACELLULAR ACCUMULATION

GALACTOSE TRANSPORT ACROSS THE SEROSAL BORDER OF RABBIT ILEUM AND ITS ROLE IN INTRACELLULAR ACCUMU-

ION TRANSPORT

LATION. Holman GD, Naftalin RJ *Biochim Biophys Acta* 382: 230-45, 13 Mar 75 (Eng)

INTRACELLULAR CONVERSION

MICROTUBULES AND THE INTRACELLULAR CONVERSION OF PROPARATHYROID HORMONE TO PARATHYROID HORMONE. Kemper B, Habener JF, Rich A, Potts JT Jr *Endocrinology* 96: 903-12, Apr 75 (Eng)

INTRACRANIAL INFECTION

CEREBROSPINAL FLUID AND BLOOD SUGAR RATIO IN HEALTH AND DISEASE: DIAGNOSTIC AND PROGNOSTIC SIGNIFICANCE IN INTRACRANIAL INFECTIONS. Reddi YR, Rao VS, Parthasaradhi J, Laxman S *Indian Pediatr* 12: 401-5, May 75 (Eng)

INTRARUMINAL INFUSION

APPETITE AND INSULIN-METABOLITE HARMONY IN PORTAL BLOOD OR SHEEP FED HIGH OR LOW ROUGHAGE DIET WITH OR WITHOUT INTRARUMINAL INFUSION OF VFA. Bhattacharya AN, Alulu M *J Anim Sci* 41: 225-33, Jul 75 (Eng)

INTRAVASCULAR FACTOR

EDITORIAL: INTRAVASCULAR FACTORS IN DIABETIC RETINOPATHY. Vaisrub S *JAMA* 233: 1303, 22 Sep 75 (Eng)

IODINE PERMEABILITY MEASUREMENT

STUDIES ON PHOSPHATIDYLCHOLINE MODEL MEMBRANES. I. IODINE PERMEABILITY MEASUREMENT BY SPECIFIC ION ELECTRODE. Schullery SE *Chem Phys Lipids* 14: 49-58, Feb 75 (Eng)

ION BINDING

THE ENNIATIN IONOPHORES. CONFORMATION AND ION BINDING PROPERTIES. Ovchinnikov YA, Ivanov VT, Evstratov AV, Mikhaleva II, Bystrov VF, Portnova SL, Balashova TA, Meshcheryakova EN, Tulchinsky VM *Int J Pept Protein Res* 6: 465-98, 1974 (Eng)

ION DISTRIBUTION

THE INFLUENCE OF RESPIRATION AND ATP HYDROLYSIS ON THE PROTON-ELECTROCHEMICAL GRADIENT ACROSS THE INNER MEMBRANE OF RAT-LIVER MITOCHONDRIA AS DETERMINED BY ION DISTRIBUTION. Nicholls DG *Eur J Biochem* 50: 305-15, 16 Dec 74 (Eng)

ION EFFECT

SPECTATOR-ION EFFECT ON THE PASSAGE OF IONS THROUGH MEMBRANES. Kozak JJ *Proc Natl Acad Sci USA* 72: 683-7, Feb 75 (Eng)

ION EXCHANGE MEMBRANE

NOISE MEASUREMENTS ON ION TRANSPORT ACROSS ION EXCHANGE MEMBRANES. Green ME *Ion Exch Membr* 2: 47-50, 1974 (Eng)

ION TRANSPORT

NOISE MEASUREMENTS ON ION TRANSPORT ACROSS ION EXCHANGE MEMBRANES. Green ME *Ion Exch Membr* 2: 47-50, 1974 (Eng)

IONIZATION

IONIZATION

DETERMINATION OF PHENFORMIN IN BIOLOGICAL FLUIDS USING CHEMICAL IONIZATION MASS SPECTROMETRY. Matin SB, Karam JH, Forsham PH, Knight JB *Biomed Mass Spectrom* 1: 320-2, Oct 74 (Eng)

IONOPHORE

THE ENNIATIN IONOPHORES. CONFORMATION AND ION BINDING PROPERTIES. Ovchinnikov YA, Ivanov VT, Evstratov AV, Mikhaleva II, Bystrov VF, Portnova SL, Balashova TA, Meshcheryakova EN, Tulchinsky VM *Int J Pept Protein Res* 6: 465-98, 1974 (Eng)

IRIS

[FLUORESCIN ANGIOGRAPHY OF THE IRIS IN DIABETES] Kodejszko J, Kornacki B *Klin Oczna* 45: 973-5, Sep 75 (Pol)

ISLET OF LANGERHANS

EFFECT OF GLUCOSE AND ANTI-INSULIN SERUM ON INSULIN RELEASED FROM ADULT RAT ISOLATED ISLETS OF LANGERHANS IN LONG-TERM ORGAN CULTURE (FOURTEEN DAYS). Turcot-Lemay L, Lacy PE *Diabetes* 24: 658-63, Jul 75 (Eng)

EFFECT OF LECTINS ON HORMONE RELEASE FROM ISOLATED RAT ISLETS OF LANGERHANS. Ewart RB, Kornfeld S, Kipnis DM *Diabetes* 24: 705-14, Aug 75 (Eng)

DECREASED CYCLIC AMP AND INSULIN RESPONSE TO GLUCOSE IN ISOLATED ISLETS OF NEONATAL RATS. Grill V, Asplund K, Hellerstrom C, Cerasi E *Diabetes* 24: 746-52, Aug 75 (Eng)

TRANSPLANTATION OF THE ISLETS OF LANGERHANS AND THE HISTOCOMPATIBILITY OF ENDOCRINE TISSUE. Barker CF *Diabetes* 24: 766-75, Aug 75 (Eng)

EFFECTS OF CYPROHEPTADINE ON INSULIN SECRETION BY ISOLATED PERFUSED RAT ISLETS. Richardson BP, McDaniel ML, Lacy PE *Diabetes* 24: 836-41, Sep 75 (Eng)

SYMPOSIUM III: HORMONES AND HORMONE RECEPTORS. A MORPHOLOGICAL APPROACH TO SURFACE RECEPTORS IN ISLET AND LIVER CELLS. Orci L, Rufenner C, Malaisse-Lagae F, Blondel B, Amherdt M, Bataille D, Freychet P, Perrelet A *Isr J Med Sci* 11: 639-55, Jul 75 (Eng)

CATABOLISM OF PROINSULIN AND INSULIN. PROTEOLYTIC ACTIVITIES IN LANGERHANS ISLETS OF RAT AND MICE PANCREAS IN VITRO. Zuhlke H, Jahr H, Schmidt S, Gottschling D, Wilke B, Kansy H, Kaleta C, Pieper I *Acta Biol Med Ger* 33: 407-18, 1974 (Eng)

OBSERVATIONS ON THE INTRINSIC INNERVATION OF THE ISLET OF LANGERHANS OF RATTUS RATTUS RUFESCENS (INDIAN BLACK RAT). Purwar RS *Acta Anat (Basel)* 92: 8-13, 1975 (Eng)

[PROCEEDINGS: AGE RELATED CHANGES OF THE PANCREATIC LANGERHANS ISLAND. 5] Endo T, Ichikawa I, Hannya H, Murachi T *Folia Endocrinol Jpn* 50: 235, 20 Feb 74 (Jpn)

ISLET, RAT

EFFECT OF LECTINS ON HORMONE RELEASE FROM ISOLATED RAT ISLETS OF LANGERHANS. Ewart RB, Kornfeld S, Kipnis DM *Diabetes* 24: 705-14, Aug 75 (Eng)

EFFECTS OF CYPROHEPTADINE ON INSULIN SECRETION BY ISOLATED PERFUSED RAT ISLETS. Richardson BP, McDaniel ML, Lacy PE *Diabetes* 24: 836-41, Sep 75 (Eng)

ISOPROTERENOL

EFFECT OF GLUCOSE IN ISOPROTERENOL-INDUCED NECROTIC HEART UNDER ANOXIC PERFUSION. Tsuboi T, Osawa Y, Ishikawa K, Yoshida K, Shimizu M *Jpn J Pharmacol* 24: 803-8, Oct 74 (Eng)

A PERSISTENT ACTIVE STATE OF THE ADENYLATE CYCLASE SYSTEM PRODUCED BY THE COMBINED ACTIONS OF ISOPROTERENOL AND GUANYLYL IMIDODIPHOSPHATE IN FROG ERYTHROCYTE MEMBRANES. Schramm M, Rodbell MJ *Biol Chem* 250: 2232-7, 25 Mar 75 (Eng)

JEJUNUM, HUMAN

STIMULATION OF ACTIVE AND PASSIVE SODIUM ABSORPTION BY SUGARS IN THE HUMAN JEJUNUM. Fordtran JS *J Clin Invest* 55: 728-37, Apr 75 (Eng)

JEJUNUM, RAT

FURTHER STUDIES ON THE ACTION OF PROLACTIN ON FLUID AND ION ABSORPTION BY THE RAT JEJUNUM. Mainoya JR *Endocrinology* 96: 1158-64, May 75 (Eng)

KALLIKREIN-KININ

[ACTIVITY OF THE KALLIKREIN-KININ SYSTEM IN EXPERIMENTAL MYOCARDIAL INFARCT IN DOGS AND THE EFFECT OF CATECHOLAMINES] Stukalova TI, Lazareva SA, Ternovaia LA *Vopr Med Khim* 21: 88-91, Jan-Feb 75 (Rus)

KETOACIDOSIS, DIABETIC

METABOLIC ALKALOSIS IN DIABETIC KETO-SIS. Jimenez JA, Damirano A, Fernandez E, Rodriguez-Rubio F, Garrido M *JAMA* 233: 1193-4, 15 Sep 75 (Eng)

[TREATMENT OF SEVERE DIABETIC KETOACIDOSIS WITH CONTINUOUS INTRAVENOUS INFUSION OF LOW DOSES OF INSULIN] Anonymous *Tidsskr Nor Laegeforen* 95: 1415-6, 10 Sep 75 (Nor)

KETOGLUTARATE OXIDATION

[PROCEEDINGS: GLUCOSE AND 2-KETOGLUTARATE OXIDATION IN THE HYPOTHALAMUS AND THE ANTERIOR PITUITARY LOBE] Sato A, Onaya T, Yamada T *Folia Endocrinol Jpn* 50: 259, 20 Feb 74 (Jpn)

KETONE BODY METABOLISM

KETONE BODY METABOLISM IN NORMAL, OBESE AND DIABETIC SUBJECTS. Owen OE, Reichard GA Jr *Isr J Med Sci* 11: 560-70, Jun 75 (Eng)

KILLIFISH (FUNDULUS HETEROCILITUS)

IN VITRO STIMULATION OF HEPATIC GLYCOGEN PHOSPHORYLASE ACTIVITY BY EPINEPHRINE AND GLUCAGON IN THE KILLIFISH, FUNDULUS HETEROCILITUS. Uminger BL, Benziger D, Levy S *Comp Biochem Physiol [C]* 51: 111-5, 1 Jun 75 (Eng)

KINASE, HEXOSE

HEXOSE KINASES FROM RHODOTORULA GLUTINIS. IDENTIFICATION AND PROPERTIES OF AN HEXOKINASE AND A GLUCOKINASE. Mazon MJ, Gancedo JM, Gancedo C *Arch Biochem Biophys* 167: 452-7, Apr 75 (Eng)

KINASE, PHOSPHOGLYCERIC

CHARACTERIZATION OF ERYTHROCYTE MEMBRANE-ASSOCIATED ENZYMES (GLYCERALDEHYDE-3-PHOSPHATE DEHYDROGENASE AND PHOSPHOGLYCERIC KINASE). Schrier SL, Ben-Bassat I, Junga I, Seeger M, Grumet FC *J Lab Clin Med* 85: 797-810, May 75 (Eng)

KINASE, PROTEIN

[EXISTENCE OF A PROTEIN KINASE ACTIVITY WHICH MAYBE STIMULATED BY 3,5-CYCLOC ADENOSINE MONOPHOSPHATE IN ADIPOSE TISSUE OF A TELEOSTEAN FISH, THE TROUT (SALMO GAIARDNERII R.)] Fontaine-Bertrand E, Delerue-Le Belle N, Fontaine YA *Biochimie* 56: 1123-8, 1974 (Fre)

KLUYVEROMYCES LACTIS

DUAL EFFECTS OF GLUCOSE ON DICARBOXYLIC ACID TRANSPORT IN KLUYVEROMYCES LACTIS. Zmijewski MJ Jr, MacQuillan AM *Can J Microbiol* 21: 473-80, Apr 75 (Eng)

KREBS CYCLE

CONDITIONALLY LETHAL MUTATIONS IN CHINESE HAMSTER CELLS. CHARACTERIZATION OF A CELL LINE WITH A POSSIBLE DEFECT IN THE KREBS CYCLE. DeFrancesco L, Wernitz D, Scheffler IE *J Cell Physiol* 85: 293-305, Apr 75 (Eng)

LABELING, RAPID

THE RAPID LABELING OF ADENOSINE TRIPHOSPHATE BY 32P-LABELED INORGANIC PHOSPHATE AND THE EXCHANGE OF PHOSPHATE OXYGENS AS RELATED TO CONFORMATIONAL COUPLING IN OXIDATIVE PHOSPHORYLATION. Cross RL, Boyer PD *Biochemistry* 14: 392-8, 28 Jan 75 (Eng)

LABILE AGGREGATION-STIMULATING SUBSTANCE (LASS)

INHIBITION OF LABILE AGGREGATION-STIMULATING SUBSTANCE (LASS) AND PLATELET AGGREGATION IN DIABETES MELLITUS. Colwell JA, Chambers A, Laimins M *Diabetes* 24: 684-7, Jul 75 (Eng)

LABOR

MATERNAL AND FETAL RESPONSE TO RAPID GLUCOSE LOADING IN PREGNANCY AND LABOR. Zakut H, Mashiach S, Blankstein J, Serr DM *Isr J Med Sci* 11: 632-7, Jun 75 (Eng)

LACTATE

EFFECT OF PHENFORMIN ON GLUCONEOGENESIS FROM LACTATE AND INTRACELLULAR PH IN THE ISOLATED PERFUSED GUINEA PIG LIVER. Lloyd MH, Iles RA, Walton B, Hamilton CA, Cohen RD *Diabetes* 24: 618-24, Jul 75 (Eng)

REGIONAL DISTRIBUTION OF ADENINE NUCLEOTIDES, GLYCOGEN, GLUCOSE AND LACTATE IN THE ADULT RAT BRAIN. Zivkoic RV, Mrsulja BB, Djuricic BM *Experientia* 31: 404-6, 15 Apr 75 (Eng)

PLACENTAL PRODUCTION AND FOETAL UTILISATION OF LACTATE AND PYRUVATE. Burd LI, Jones MD Jr, Simmons MA, Makowski EL, Meschia G, Battaglia FC *Nature* 254: 710-1, 24 Apr 75 (Eng)

LACTATE, BLOOD

ACUTE COLD EXPOSURE AND THE METABOLISM OF BLOOD GLUCOSE, LACTATE AND PYRUVATE, AND PLASMA AMINO ACIDS IN THE HIND LEG OF THE FED AND FASTED YOUNG OX. Bell AW, Gardner JW, Manson W, Thompson GE *Br J Nutr* 33: 207-17, Mar 75 (Eng)

[BLOOD LACTATE LEVEL FOLLOWING INTRAVENOUS ADMINISTRATION OF SULFONYLUREA COMPOUNDS IN EQUIPOTENT DOSES, OF GLUCOSE AND COMBINATIONS OF GLUCOSE AND SULFONYLUREA COMPOUNDS IN SUBJECTS WITH NORMAL METABOLISM] Jungmann E, Beyer J, Happ J, Scherer U, Schoffling K *Verh Dtsch Ges Inn Med* 80: 1302-4, 1974 (Ger)

LACTATE OXIDATION

LACTIC ACIDOSIS ASSOCIATED WITH PHENFORMIN THERAPY. EVIDENCE THAT INHIBITED LACTATE OXIDATION IS THE CAUSATIVE FACTOR. Searle GL, Siperstein MD *Diabetes* 24: 741-5, Aug 75 (Eng)

LACTIC ACID PRODUCTION

TIME RELATIONSHIPS IN HORMONE RESPONSES: INCREASED OVARIAN LACTIC ACID PRODUCTION IN VITRO AND ESTROGEN PRODUCTION IN VIVO IN IMMATURE FEMALE RATS TREATED WITH PMS. Sashida T, Johnson DC *Biol Reprod* 12: 212-22, Mar 75 (Eng)

LACTIC ACIDOSIS, PHENFORMIN INDUCED

PHENFORMIN-INDUCED LACTIC ACIDOSIS IN DIABETIC PATIENTS. Assan R, Heuclin C, Girard JR, LeMaire F, Attali JR *Diabetes* 24: 791-800, Sep 75 (Eng)

LECTIN EFFECT

EFFECT OF LECTINS ON HORMONE RELEASE FROM ISOLATED RAT ISLETS OF LANGERHANS. Ewart RB, Kornfeld S, Kipnis DM *Diabetes* 24: 705-14, Aug 75 (Eng)

LEFEBVRE DISCUSSION

[DISCUSSION OF MESSRS P. LEFEBVRE AND A. LUYCKX LECTURE: GLUCAGON AND ENERGETIC SUBSTRATES PUBLISHED IN THE BULLETIN, VOL. 128, FASC. 2, 1973, PP. 163-185] Lecomte J, Lefebvre P *Bull Acad R Med Belg* 129: 143-5, 1974 (Fre)

LEG, OX

ACUTE COLD EXPOSURE AND THE METABOLISM OF BLOOD GLUCOSE, LACTATE AND PYRUVATE, AND PLASMA AMINO ACIDS IN THE HIND LEG OF THE FED AND FASTED YOUNG OX. Bell AW, Gardner JW, Manson W, Thompson GE *Br J Nutr* 33: 207-17, Mar 75 (Eng)

LEUKOCYTE

THE BEHAVIOUR OF THE PLATELET-LEUKOCYTE AGGREGATION IN THROMBOTIC CONDITIONS. Bielawiec M, Kiersnowska-Rogowska B, Mysliwiec M, Perzanowski A *Folia Haematol (Leipz)* 102: 220-9, 1975 (Eng)

METABOLISM OF GLUCOSE AND FATTY ACID BY LEUKOCYTES FROM PATIENTS WITH ENDOGENOUS HYPERTRIGLYCERIDEMIA. Burns CP, Welshman IR, Spector AA *J Lab Clin Med* 85: 598-609, Apr 75 (Eng)

LIEGE MEDICAL UNIVERSITY

[COMPUTER-ASSISTED MEDICAL HISTORY SYSTEM AT THE UNIVERSITY OF LIEGE] Houziaux MO *Rev Med Liege* 30: 528-40, 15 Aug 75 (Fre)

LIGHT COAGULATION

[LIGHT COAGULATION OF DIABETIC RETINOPATHY] Leuenberger AE *Mod Probl Ophthalmol* 15: 307-12, 1975 (Ger)

LIGHT EFFECT

THE EFFECTS OF LIGHT ON MAN AND OTHER MAMMALS. Wurtman RJ *Annu Rev Physiol* 37: 467-83, 1975 (Eng) [62]

[PROCEEDINGS: GROWTH HORMONE (CGH) SECRETION IN THE DOG DURING SLEEPING, 3. THE EFFECT OF LIGHT, DARKNESS AND SLEEP INTERRUPTION] Takahashi K, Takahashi Y, Hoda H, Tsushima T, Irie M *Folia Endocrinol Jpn* 50: 273, 20 Feb 74 (Jpn)

LIPASE, LIPOPROTEIN

REGULATION, BY INSULIN, OF LIPOPROTEIN LIPASE AND PHOSPHODIESTERASE ACTIVITIES IN RAT ADIPOSE TISSUE. Desai K, Hollenberg CH *Isr J Med Sci* 11: 540-50, Jun 75 (Eng)

LIPOPROTEIN LIPASE IN RAT LUNG. THE EFFECT OF FASTING. Hamosh M, Hamosh P *Biochim Biophys Acta* 380: 132-40, 24 Jan 75 (Eng)

LIPOLIPIN: A GLYCOPROTEIN INHIBITOR OF POSTHEPARIN PLASMA LIPOPROTEIN LIPASE. Wagh PV *Adv Exp Med Biol* 52: 281-8, 1975 (Eng)

[ISOLATION OF LIPOPROTEIN LIPASE FROM POSTHEPARIN RAT PLASMA AND DEMONSTRATION OF ITS BIOLOGICAL ACTIVITY] Bazarian GG, Levchuk TP, Malakhova EA, Smirnova VK, Sytina NP, Iakovlev VA *Vopr Med Khim* 20: 14-9, Jan-Feb 74 (Rus)

LIPASE, PHARYNGEAL

PHARYNGEAL LIPASE AND DIGESTION OF DIETARY TRIGLYCERIDE IN MAN. Hamosh M, Kleaveman HL, Wolf RO, Scow RO *J Clin Invest* 55: 908-13, May 75 (Eng)

LIPEMIA, POSTPRANDIAL

[FACTORS REGULATING FREE FATTY ACID BLOOD LEVELS DURING POSTPRANDIAL LIPEMIA] Paluszak J *Pol Tyg Lek* 30: 531-2, 24 Mar 75 (Pol)

LIPID

[LIPIDS IN PARENTERAL FEEDING] Hartmann G *Infusionstherapie* 1: 516-8, Oct 74 (Ger)

THE ROLE OF LIPID IN THE PATHOGENESIS OF ATHEROSCLEROSIS. Stehbens WE *Lancet* 1: 724-7, 29 Mar 75 (Eng)

ELECTRON DIFFRACTION STUDIES OF BIOLOGICAL MEMBRANES AND LIPIDS. Carlemalm E, Wieslander A *Nature* 254: 537-8, 10 Apr 75 (Eng)

[STUDIES UPON THE EFFECT OF AGE AND NUTRITIONAL FACTORS ON LIPID AND PROTEIN METABOLISM IN INFANTS (AUTHORS TRANSL.)] Gornicki B, Litwin E, Krukowa A, Kleczkowska H, Rodkiewicz B, Kowalczyk Z, Dzieńiszewska L, Wachnik Z, Symonowicz H *Probl Med Wieku Rozwoj* 1: 33-70, 1972 (Pol)

THE FLUIDITY AND ORGANIZATION OF MITOCHONDRIAL MEMBRANE LIPIDS OF

THE BROWN ADIPOSE TISSUE OF COLD-ADAPTED RATS AND HAMSTERS AS DETERMINED BY NITROXIDE SPIN PROBES. Cannon B, Polnaszek CF, Butler KW, Eriksson LE, Smith IC *Arch Biochem Biophys* 167: 505-18, Apr 75 (Eng)

THE EFFECT OF DIETARY LIPIDS ON LIPOLYSIS IN RAT ADIPOSE TISSUE. Larking PW, Nye ER *Br J Nutr* 33: 291-7, Mar 75 (Eng)

[RELATIONSHIP OF THE PROSTAGLANDINS TO THE LIPID AND GLYCIDE METABOLISM, ADHESIVENESS AND AGGREGATION OF THE BLOOD PLATELETS AND INFLAMMATORY REACTION] Masek K *Cas Lek Cesk* 114: 23-6, 3 Jan 75 (Cze)

LIPID-SPECIFIC ANTIBODIES ELICITED WITH SYNTHETIC LIPID CONJUGATES. Arnon R, Teitelbaum D *Chem Phys Lipids* 13: 352-66, Dec 74 (Eng)

THE PARTICIPATION OF LIPID-LINKED OLIGOSACCHARIDE IN SYNTHESIS OF MEMBRANE GLYCOPROTEINS. Lucas JJ, Waechter J, Lennarz WJ *J Biol Chem* 250: 1992-2002, 25 Mar 75 (Eng)

A NON-CALORIC ROLE FOR MCT AND OTHER LIPIDS. Kabara JJ, Conley AJ *Z Ernährungswiss [Suppl]* 17: 26, 1974 (Eng)

LIPID BILAYER MEMBRANE

KINETICS OF MACROTETROLIDE-INDUCED ION TRANSPORT ACROSS LIPID BILAYER MEMBRANES. Ben R, Stark G *Biochim Biophys Acta* 382: 27-40, 28 Feb 75 (Eng)

LIPID, BLOOD

LETTER: ABSENCE OF EFFECT OF BRAN ON BLOOD-LIPIDS. Truswell AS, Kay RM *Lancet* 1: 922-3, 19 Apr 75 (Eng)

[SERUM LIPIDS: II. PHYSIOLOGY OF BLOOD LIPIDS - III. METHODS OF DEMONSTRATION] Simon KH *Med Monatsschr* 29: 36-9, Jan 75 (Ger)

LIPID COMPOSITION

THE GROSS AND HISTOLOGICAL APPEARANCE AND THE LIPID COMPOSITION OF NORMAL INTIMA AND LESIONS FROM HUMAN CORONARY ARTERIES AND AORTA. Pangamala RV, Geer JC, Sharma HM, Cornwell DG *Atherosclerosis* 20: 93-104, Jul-Aug 74 (Eng)

LIPID CONJUGATE

LIPID-SPECIFIC ANTIBODIES ELICITED WITH SYNTHETIC LIPID CONJUGATES. Arnon R, Teitelbaum D *Chem Phys Lipids* 13: 352-66, Dec 74 (Eng)

LIPID CONTENT

[EXPERIMENTAL STUDIES ON CARBOHYDRATE METABOLISM IN THE CORNEA. CHEMICAL ANALYSIS OF PROTEIN AND LIPID CONTENT IN THE RAT CORNEA] Gekka M, Komono M *Acta Soc Ophthalmol Jpn* 78: 1102-6, 10 Oct 74 (Jpn)

LIPID DISORDER

[NN-DIMETHYLBIGUANIDE ATTENUATES THE LIPID DISORDERS OF RATS ON AN ATHEROGENIC DIET] Esteve B, Marquie G, Agid R *C R Acad Sci [D] (Paris)* 280: 2465-8, 2 Jun 75 (Fre)

LIPID EFFECT

[EFFECT OF LIPIDS ON LIVER MICROSOMAL MEMBRANES. (1) STUDIES OF A RELATION-

LIPID LOWERING DIET

SHIP BETWEEN DELIPIDATION OF LIVER MICROSOMES WITH THE VARIOUS ORGANIC SOLVENTS AND CYTOCHROME C REDUCTASE ACTIVITY LINKED TO REDUCED NICOTINAMIDE ADENINE DINUCLEOTIDE (AUTHORS TRANSL.) Ozaki S *Hokkaido J Med Sci* 49: 326-36, Jul 74 (Jpn)

[EFFECT OF LIPIDS ON LIVER MICROSOMAL MEMBRANES. (2) STUDIES ON THE INTERACTION BETWEEN EXTRA-CYTOCHROME B5 AND MICROSOMAL MEMBRANES (AUTHORS TRANSL.) Ozaki S *Hokkaido J Med Sci* 49: 337-46, Jul 74 (Jpn)

[EFFECT OF LIPIDS ON LIVER MICROSOMAL MEMBRANES. (3) STUDIES ON THE EFFECT OF LIPID MICELLES ON THE RECONSTITUTED SYSTEMS OF NADH-CYTOCHROME C REDUCTASE (AUTHORS TRANSL.) Ozaki S *Hokkaido J Med Sci* 49: 347-55, Jul 74 (Jpn)

LIPID LOWERING DIET

[METABOLIC RESPONSE TO NEW LIPID-LOWERING DIET (AUTHORS TRANSL.) Valek J, Kuhn E, Pechar J, Storkova H *Cas Lek Cesk* 113: 647-50, 31 May 74 (Cze)

LIPID LOWERING EFFECT

[LIPID-LOWERING EFFECT OF D,L-ALPHA-METHYL THYROXINE ETHYL ESTER (CG-635) AND ITS INFLUENCE ON BASAL METABOLIC RATE, HEART AND THYROID GLAND] Kuwashima J, Tsuboi T, Fujitani B, Ishikawa K, Nakamura K *J Pharm Soc Jpn* 94: 1541-9, Dec 74 (Jpn)

LIPID, MEMBRANE

CATECHOLAMINE STIMULATED MYOCARDIAL ADENYLATE CYCLASE: EFFECTS OF PHOSPHOLIPASE DIGESTION AND THE ROLE OF MEMBRANE LIPIDS. Lefkowitz RJ *J Mol Cell Cardiol* 7: 27-37, Jan 75 (Eng)

LIPID METABOLISM

[THE ROLE OF THE ADRENORECEPTORS IN SEVERAL ORGANS IN REGULATING CARBOHYDRATE AND LIPID METABOLISM] Henes SH, Poltorak VV *Fiziol Zh* 20: 831-40, Nov-Dec 74 (Ukr) [126]

[SIGNIFICANCE OF LIPID METABOLISM IN SURGICAL DISEASES] Stremmel W *Infusionstherapie* 1: 238-43, Feb 74 (Ger)

[THE SIGNIFICANCE OF LIPID METABOLISM IN SURGICAL DISORDERS] Stremmel W *Infusionstherapie* 1: 238-43, Feb 74 (Ger)

[EFFECT OF CARNITINE ON LIPID METABOLISM IN NORMAL CHILDREN] Gemelli M, Cordaro V *Boll Soc Ital Biol Sper* 50: 667-72, 30 May 74 (Ita)

[LETTER: GLUCOCORTICOID AND LIPID METABOLISM] Kaiser H *Dtsch Med Wochenschr* 99: 1841, 13 Sep 74 (Ger)

FOCAL DIFFERENCES IN LIPID METABOLISM OF THE YOUNG PIG AORTA. SYNTHESIS FROM [1-14C]ACETATE AND [U-14C]GLUCOSE IN VITRO. Somer JB, Bell PF, Schwartz CJ *Atherosclerosis* 20: 11-21, Jul-Aug 74 (Eng)

[PROCEEDINGS: MECHANISM OF LIPID METABOLISM REGULATION IN LIPID MICELLES] Matsuoka N, Saito Y, Okuda T, Fujii S *Folia Endocrinol Jpn* 50: 651, 20 Feb 74 (Jpn)

[EFFECT OF PYRIDINOLCARBAMATE ON LIPID METABOLISM OF NORMAL AND ARTERIOSCLEROTIC INTIMA IN HUMAN FEMORAL ARTERIES] Horsch AK, Gilli J, Schreiter U *Verh Dtsch Ges Inn Med* 80: 952-4, 1974 (Ger)

LIPID MICELLE

[PROCEEDINGS: MECHANISM OF LIPID METABOLISM REGULATION IN LIPID MICELLES] Matsuoka N, Saito Y, Okuda T, Fujii S *Folia Endocrinol Jpn* 50: 651, 20 Feb 74 (Jpn)

LIPID MOBILITY

EVIDENCE FOR CONSTRAINED LIPID MOBILITY IN THE ERYTHROCYTE GHOST. A SPIN LABEL STUDY. Verma SP, Wallach DFH *Biochim Biophys Acta* 382: 73-82, 28 Feb 75 (Eng)

LIPID MOBILIZING HORMONE

[PROCEEDINGS: ACTION MECHANISM OF LIPID MOBILIZING HORMONE AND CAMP] Saito Y, Matsuoka N, Okuda T, Fujii S *Folia Endocrinol Jpn* 50: 479, 20 Feb 74 (Jpn)

LIPID, MYOCARDIAL

SUBCELLULAR DISTRIBUTION AND INCORPORATION OF PALMITATE-U-14C INTO MYOCARDIAL LIPIDS: ROLE OF ENDOGENOUS AND EXOGENOUS CATECHOLAMINES. Mathur PP, Mokler CM *J Mol Cell Cardiol* 7: 17-26, Jan 75 (Eng)

LIPID PEROXIDATION

A POSSIBLE MECHANISM FOR THE PEROXIDATION OF LIPIDS DUE TO CHRONIC ETHANOL INGESTION. Reitz RC *Biochim Biophys Acta* 380: 145-54, 20 Feb 75 (Eng)

STUDIES ON FERROUS ION-INDUCED LIPID PEROXIDATION OF RAT LIVER MITOCHONDRIA. I. EFFECT OF INORGANIC PHOSPHATE. Yamamoto G, Tanabe M, Wakabayashi H, Hasimoto G, Yamamoto M *Acta Med Okayama* 28: 299-310, Oct 74 (Eng)

LIPID, PLASMA

PLASMA LIPID LEVELS IN DIABETIC CHILDREN. EFFECT OF DIET RESTRICTED IN CHOLESTEROL AND SATURATED FATS. Kaufmann RL, Assal JPH, Soeldner JS, Wilmschurst EG, Lemaire JR, Gleason RE, White P *Diabetes* 24: 672-9, Jul 75 (Eng)

PLASMA LIPIDS AND LIPOPROTEINS IN VEGETARIANS AND CONTROLS. Sacks FM, Castelli WP, Donner A, Kass EH *N Engl J Med* 292: 1148-51, 29 May 75 (Eng)

LIPID, PLASMATIC

[PRELIMINARY RESEARCH ON THE EFFECTS OF ADMINISTRATION OF COA ON PLASMATIC LIPIDS IN HUMANS] Arrigo F, Vitale D, Consolo F *Clin Ter* 71: 459-68, 15 Dec 74 (Ita)

LIPID, SERUM

EFFECTS OF CLOFIBRATE AND A FAT-MODIFIED DIET ON SERUM LIPIDS. Brown HB, Lewis LA, Page IH *Clin Pharmacol Ther* 17: 171-8, Feb 75 (Eng)

[THE ATTENTIVE PROBLEMS ON THE DETERMINATION OF SERUM LIPIDS (AUTHORS TRANSL.)] Fukui I *Jpn J Clin Pathol* 23: 31-9, Jan 75 (Jpn)

[SERUM LIPIDS: II. PHYSIOLOGY OF BLOOD LIPIDS - III. METHODS OF DEMONSTRATION] Simon KH *Med Monatsschr* 29: 36-9, Jan 75 (Ger)

EFFECT OF EXERCISE AND PHYSICAL FITNESS ON SERUM LIPIDS AND LIPOPROTEINS. Lopez A, Vial R, Balart L, Ar-

royave G *Atherosclerosis* 20: 1-9, Jul-Aug 74 (Eng)

LIPID SYNTHESIS

EFFECT OF HALOFENATE AND CLOFIBRATE ON LIPID SYNTHESIS IN RAT ADIPOCYTES. Greenspan MD, Germershausen JI, Mackow R *Biochim Biophys Acta* 380: 190-8, 20 Feb 75 (Eng)

[HISTOCYTOSIS-X. HISTOCHEMICAL AND AUTORADIOGRAPHIC ELEMENTS PROVING LIPID SYNTHESIS IN VITRO CULTURE] Nezelof C, Despres S, Barbey S, Rousseau MF *Biomedicine* 20: 414-24, Nov 74 (Fre)

EFFECT OF FAT FEEDING ON COMPLEX LIPID SYNTHESIS IN HAMSTER INTESTINE. Mansbach CM *Gastroenterology* 68: 708-14, Apr 75 (Eng)

[REGULATION OF LIPID SYNTHESIS UNDER CONDITIONS OF A VARYING GROWTH RATE IN CANDIDA TROPICALIS AND IN MICROCOCCUS FREUDENREICHII. Isakova DM, Kvasnikov EI, Loiko ZI *Prikl Biokhim Mikrobiol* 10: 831-6, Nov-Dec 74 (Rus)

LIPOAMIDE

INHERITED DEPRESSION OF ARTERIAL LIPOAMIDE DEHYDROGENASE ACTIVITY ASSOCIATED WITH SUSCEPTIBILITY TO ATHEROSCLEROSIS IN PIGEONS. Zemleny T, Blankenhorn DH, Rosenstein AJ *Circ Res* 36: 640-6, May 75 (Eng)

LIPODYSTROPHY

[GENERALIZED LIPODYSTROPHY (LIPOATROPHIC DIABETES) WITH DIABETIC ANGIOPATHY] Tenczynski L, Snarski A *Endokrynol Pol* 26: 239-46, May-Jun 75 (Pol)

LIPODYSTROPHY, CONGENITAL GENERALIZED

STUDIES IN CONGENITAL GENERALIZED LIPODYSTROPHY. VI. SUPPRESSIBLE AND NON-SUPPRESSIBLE INSULIN-LIKE ACTIVITIES OF PLASMA. Svik O, Oseid S *Acta Endocrinol (Kbh)* 79: 720-8, Aug 75 (Eng)

LIPOGENESIS

EFFECT OF (-)-HYDROXYCITRATE ON LIPOGENESIS, APPETITE AND BODY WEIGHT IN RATS. Anonymous *Nutr Rev* 33: 53-5, Feb 75 (Eng)

PROCEEDINGS: THE EFFECT OF A HIGH-CARBOHYDRATE DIET ON SKIN LIPOGENESIS IN THE RAT. Rebello T, Macdonald I *Proc Nutr Soc* 33: 52a-53a, Sep 74 (Eng)

LIPOLYSIS

EFFECTS OF N-ETHYLMALIMIDE ON LIPOLYSIS AND GLUCOSE UPTAKE IN RAT ADIPOSE TISSUE. Giudicelli Y, Fieuz MN, Nordmann R *Biomedicine [Express]* 21: 452-6, 20 Nov 74 (Eng)

ADAPTATION TO FASTING IN BABOON. II. REGULATION OF LIPOLYSIS EARLY AND LATE IN FASTING. Koerker DJ, Goodner CJ, Chidekel EW, Ensmink JW *Am J Physiol* 229: 350-4, Aug 75 (Eng)

ADRENERGIC LIPOLYSIS IN HUMAN ADIPOSE TISSUE IN VITRO. Wenkeova J, Kuhn E, Wenke M *Eur J Pharmacol* 30: 49-55, Jan 75 (Eng)

THE EFFECT OF DIETARY LIPIDS ON LIPOLYSIS IN RAT ADIPOSE TISSUE. Larking PW, Nye ER *Br J Nutr* 33: 291-7, Mar 75 (Eng)

Diabetes Literature—Keyword Index

EFFECT OF ACTH ON LIPOLYSIS IN ADIPOSE TISSUE OF NORMAL AND ADRENAL-ECTOMIZED RATS IN VIVO. Spirovski MZ, Kovacev VP, Spasovska M, Chernick SS *Am J Physiol* 228: 382-5, Feb 75 (Eng)

LIPOLYTIC ACTIVITY

MODIFICATIONS OF PLASMA POST-HEPARIN LIPOLYTIC ACTIVITY AND TISSUE LIPOPROTEIN LIPASE ACTIVITY INDUCED IN THE RAT BY ACUTE ADMINISTRATION OF ETHANOL OR PROPAN-2-OL. Giudicelli Y, Nordmann R, Nordmann J *Clin Sci Mol Med* 48: 153-6, Feb 75 (Eng)

[CHANGES IN THE LIPOLYTIC ACTIVITY OF THE ARTERIAL WALL IN ALBINO RATS I. EFFECT OF ANIMAL AND VEGETABLE FATS] Mitkov D, Milenkov H *Folia Med (Plovdiv)* 10: 359-62, 1968 (Bul)

LIPOPHILIC SOLUTE

PROCEEDINGS: ANOMALOUS PERMEATION OF SMALL LIPOPHILIC SOLUTES ACROSS TOAD URINARY BLADDER. Bindselev N, Wright EM *J Physiol (Lond)* 242: 120P-121P, Oct 74 (Eng)

LIPOPROTEIN

PLASMA LIPIDS AND LIPOPROTEINS IN VEGETARIANS AND CONTROLS. Sacks FM, Castelli WP, Donner A, Kass EH *N Engl J Med* 292: 1148-51, 29 May 75 (Eng)

EFFECT OF EXERCISE AND PHYSICAL FITNESS ON SERUM LIPIDS AND LIPOPROTEINS. Lopez A, Vial R, Balart L, Arroyave G *Atherosclerosis* 20: 1-9, Jul-Aug 74 (Eng)

COMBINED HYPERLIPOPROTEINEMIA. EVIDENCE FOR A NEW LIPOPROTEIN PHENOTYPE. Rose HG, Kranz P, Weinstock M, Juliano J, Haft JI *Atherosclerosis* 20: 51-64, Jul-Aug 74 (Eng)

LIPOPROTEIN, HIGH DENSITY

LETTER: HIGH-DENSITY LIPOPROTEIN AND ATHEROSCLEROSIS. Anonymous *Lancet* 1: 691, 22 Mar 75 (Eng)

LIPOPROTEIN LIPASE

THE EFFECT OF ESTROGEN ON THE LIPOPROTEIN LIPASE ACTIVITY OF RAT ADIPOSE TISSUE. Hamosh M, Hamosh P *J Clin Invest* 55: 1132-5, May 75 (Eng)

INFLUENCE OF NUTRITIONAL CHANGES ON LIPOPROTEIN LIPASE ACTIVITY. II: THE EFFECT OF HIGH FAT INTAKE ON LEVELS OF ENZYME OF RAT ADIPOSE TISSUE. Ribeiro LP, Schettino CM, Affonso OR, Mitidieri E *Rev Bras Biol* 31: 219-23, Jun 71 (Eng)

LIPOPROTEIN LIPASE, TISSUE

MODIFICATIONS OF PLASMA POST-HEPARIN LIPOLYTIC ACTIVITY AND TISSUE LIPOPROTEIN LIPASE ACTIVITY INDUCED IN THE RAT BY ACUTE ADMINISTRATION OF ETHANOL OR PROPAN-2-OL. Giudicelli Y, Nordmann R, Nordmann J *Clin Sci Mol Med* 48: 153-6, Feb 75 (Eng)

LIPOSOME

STUDIES OF A SERUM ALBUMIN-LIPOSOME COMPLEX AS A MODEL LIPOPROTEIN MEMBRANE. Sogor BV, Zull JE *Biochim Biophys Acta* 375: 363-80, 14 Feb 75 (Eng)

STUDY OF THE MECHANISM OF THYROID HORMONE SECRETION IN AN IN VITRO MODEL SYSTEM: INDIRECT EVIDENCE FOR FUSION OF LYSOSOMES WITH THYROGLOBULIN LIPOSOMES. Kawada 4, kadota T, Yoshimura Y, Kurata M *Endocrinology* 96: 1196-200, May 75 (Eng)

LIVER

[NADP- AND NAD-MALATE DEHYDROGENASE IN THE LIVER AND RENAL CORTEX AND HORMONAL REGULATION OF ITS ACTIVITY] Tsonecheva AV *Exp Med Morfol* 13: 89-95, 1974 (Bul)

PLASMA IMMUNOREACTIVE INSULIN (IRI) AND IMMUNOREACTIVE GLUCAGON (IRG) AFTER EVISCERATION WITH AND WITHOUT A FUNCTIONAL LIVER. Penhos JC, Ezequiel M, Lepp A, Ramey ER *Diabetes* 24: 637-40, Jul 75 (Eng)

SYMPOSIUM I: HORMONE-FUEL INTERACTIONS IN NORMAL AND DIABETIC MAN. THE LIVER AS SITE OF INSULIN AND GLUCAGON ACTION IN NORMAL, DIABETIC AND OBESE HUMANS. Felig P, Wahren J *Isr J Med Sci* 11: 528-39, Jun 75 (Eng) [55]

[LIVER BIOPSY IN DIABETICS] Preszczynski M, Torzecki Z, Torzecka W, Mroszczyk M *Pol Tyg Lek* 30: 1355-6, 18 Aug 75 (Pol)

[EFFECT OF LIPIDS ON LIVER MICROSOMAL MEMBRANES. (1) STUDIES OF A RELATIONSHIP BETWEEN DELIPIDATION OF LIVER MICROSOMES WITH THE VARIOUS ORGANIC SOLVENTS AND CYTOCHROME C REDUCTASE ACTIVITY LINKED TO REDUCED NICOTINAMIDE ADENINE DINUCLEOTIDE (AUTHORS TRANSL)] Ozaki S *Hokkaido J Med Sci* 49: 326-36, Jul 74 (Jpn)

[EFFECT OF LIPIDS ON LIVER MICROSOMAL MEMBRANES. (2) STUDIES ON THE INTERACTION BETWEEN EXTRA-CYTOCHROME B5 AND MICROSOMAL MEMBRANES (AUTHORS TRANSL)] Ozaki S *Hokkaido J Med Sci* 49: 337-46, Jul 74 (Jpn)

[EFFECT OF LIPIDS ON LIVER MICROSOMAL MEMBRANES. (3) STUDIES ON THE EFFECT OF LIPID MICELLES ON THE RECONSTITUTED SYSTEMS OF NADH-CYTOCHROME C REDUCTASE (AUTHORS TRANSL)] Ozaki S *Hokkaido J Med Sci* 49: 347-55, Jul 74 (Jpn)

MOLECULAR AND CATALYTIC PROPERTIES OF MITOCHONDRIAL (KETOGENIC) 3-HYDROXY-3-METHYLGLUTARYL COENZYME A SYNTHASE OF LIVER. Reed WD, Clinkenbeard D, Lane MD *J Biol Chem* 250: 3117-23, 25 Apr 75 (Eng)

LIVER CELL

SYMPOSIUM III: HORMONES AND HORMONE RECEPTORS. A MORPHOLOGICAL APPROACH TO SURFACE RECEPTORS IN ISLET AND LIVER CELLS. Orci L, Rufenner C, Malaisse-Lagae F, Blondel B, Amherdt M, Bataille D, Freychet P, Perrelet A *Isr J Med Sci* 11: 639-55, Jul 75 (Eng)

LIVER, CHICKEN

MITOCHONDRIAL 3-HYDROXY-3-METHYLGLUTARYL-COA SYNTHASE FROM CHICKEN LIVER. Reed WD, Lane MD *Methods Enzymol* 35: 155-60, 1975 (Eng)

LIVER, FETAL

HORMONAL REGULATION OF INCORPORATION OF ALANINE-U-14C INTO GLUCOSE IN HUMAN FETAL LIVER EXPLANTS. EFFECT OF DIBUTYRYL CYCLIC AMP, GLU-

CAGON, INSULIN, AND TRIAMCINOLONE. Schwartz AL, Rall TW *Diabetes* 24: 650-7, Jul 75 (Eng)

LIVER, FETAL MONKEY

GLUCOSE REGULATION BY ISOLATED NEAR TERM FETAL MONKEY LIVER. Glinnmann WH, Eisen HJ, Lynch A, Chez RA *Pediatr Res* 9: 600-4, Jul 75 (Eng)

LIVER, GUINEA PIG

EFFECT OF PHENFORMIN ON GLUCONEOGENESIS FROM LACTATE AND INTRACELLULAR PH IN THE ISOLATED PERFUSED GUINEA PIG LIVER. Lloyd MH, Iles RA, Walton B, Hamilton CA, Cohen RD *Diabetes* 24: 618-24, Jul 75 (Eng)

LIVER, HUMAN

CONTROL OF PHOSPHORYLATIVE ACTIVITY IN HUMAN LIVER MITOCHONDRIA THROUGH CHANGES IN RESPIRATORY ENZYME CONTENTS. Ozawa K, Honjo I *Clin Sci Mol Med* 48: 75-82, Feb 75 (Eng)

LIVER MEMBRANE

COMPARISON OF 125-I-INSULIN BINDING AND DEGRADATION TO ISOLATED RAT HEPATOCYTES AND LIVER MEMBRANES. Olefsky J, Johnson J, Liu F, Edwards P, Baur S *Diabetes* 24: 801-10, Sep 75 (Eng)

LIVER MEMBRANE ADENYLATE CYCLASE. SYNERGISTIC EFFECTS OF ANIONS ON FLUORIDE, GLUCAGON, AND GUANYL NUCLEOTIDE STIMULATION. Johnson RA, Pilkis SJ, Hamet P *J Biol Chem* 250: 6599-607, 25 Aug 75 (Eng)

LIVER MICROSOME

[EFFECT OF LIPIDS ON LIVER MICROSOMAL MEMBRANES. (1) STUDIES OF A RELATIONSHIP BETWEEN DELIPIDATION OF LIVER MICROSOMES WITH THE VARIOUS ORGANIC SOLVENTS AND CYTOCHROME C REDUCTASE ACTIVITY LINKED TO REDUCED NICOTINAMIDE ADENINE DINUCLEOTIDE (AUTHORS TRANSL)] Ozaki S *Hokkaido J Med Sci* 49: 326-36, Jul 74 (Jpn)

LIVER, PIG

THE PURIFICATION AND SOME PROPERTIES OF ELECTRON TRANSFER FLAVOPROTEIN AND GENERAL FATTY ACYL COENZYME A DEHYDROGENASE FROM PIG LIVER MITOCHONDRIA. Hall CL, Kamin H *J Biol Chem* 250: 3476-86, 10 May 75 (Eng)

LIVER, RAT

[INFLUENCE OF DIET, CORTISONE AND INSULIN ON VARIATIONS IN ENZYME ACTIVITY OF PYRUVATE CARBOXYLASE (EC 6.4.1.1) AND PHOSPHOENOLPYRUVATE CARBOXYKINASE (EC 4.1.1.32) IN RAT LIVER] Peret J, Chanev M *C R Acad Sci [D] (Paris)* 279: 2095-8, 23 Dec 74 (Fre)

INSULIN AND HYDROCORTISONE EFFECTS ON VIABILITY AND GLYCOGEN STORES OF POSTNATAL RAT LIVER ORGAN CULTURE. Reed GB, Grisham JW *Lab Invest* 33: 298-304, Sep 75 (Eng)

STIMULATION OF RAT LIVER ADENYLATE CYCLASE BY HALOTHANE. Rosenberg H, Pohl S *Life Sci* 17: 431-4, 1 Aug 75 (Eng)

[INFLUENCE OF EXPERIMENTAL HYPER- AND HYPOTHYROIDISM ON THE METABOLISM OF RADIOACTIVE INSULIN

Diabetes Literature—Keyword Index

LOADING TEST

AT THE LEVEL OF THE LIVER IN RATS] Costiner E, Simionescu L, Oprea M *Stud Cercet Endocrinol* 23: 253-8, 1972 (Rum)

EFFECTS OF ALLOXAN DIABETES AND INSULIN ON MORPHOLOGY AND CERTAIN FUNCTIONAL ACTIVITIES OF MITOCHONDRIA OF THE RAT LIVER AND HEART. Marinari UM, Monacelli R, Cottalasso D, Novelli A *Acta Diabetol Lat* 11: 296-314, Jul-Aug 74 (Eng)

BIOSYNTHESIS OF BIS(MONOACYLGLYCERYL)PHOSPHATE AND ACYLPHOSPHATIDYLGLYCEROL IN RAT LIVER MITOCHONDRIAL. Poorthuis BJHM, Hostettler KY *J Biol Chem* 250: 3297-302, 10 May 75 (Eng)

THE EFFECT OF PHYSICAL EXERCISE ON GLYCOGEN METABOLISM IN THE RAT LIVER. Bobilewicz D, Ranc-Bukowska E, Obuchowicz B *Acta Physiol Pol* 25: 29-38, Jan-Feb 74 (Eng)

SYNTHESIS OF SERUM ALBUMIN IN ISOLATED RAT LIVER PERFUSED BY A SYNTHETIC MEDIUM WITH FLUOROCARBON FC-80 EMULSION AS OXYGEN CARRIER. Novakova V, Birke G, Plantin LO *Acta Physiol Scand* 92: 289-302, Nov 74 (Eng)

LOADING TEST

[PROCEEDINGS: TSH RESPONSE IN TRH LOADING TEST IN PATIENTS WITH OBESITY. 2. A COMPARISON WITH THIN PATIENTS] Suzuki A, Kato T, Maruyama H, Suzuki H, Takabayashi Y *Folia Endocrinol Jpn* 50: 111, 20 Feb 74 (Jpn)

LOCUS COERULEUS

HYPERDIPSIA INDUCED BY BILATERAL DESTRUCTION OF THE LOCUS COERULEUS IN RATS. Osumi Y, Oishi R, Fujiwara H, Takaori S *Brain Res* 86: 419-27, 28 Mar 75 (Eng)

LOCUST (SCHISTOCERCA GREGARIA)

INSECTICIDE-INDUCED RELEASE OF HYPERGLYCAEMIC AND ADIPOLINETIC HORMONES OF SCHISTOCERCA GREGARIA. Samaranyaka M *Gen Comp Endocrinol* 24: 424-36, Dec 74 (Eng)

LONG TERM

EFFECT OF GLUCOSE AND ANTI-INSULIN SERUM ON INSULIN RELEASED FROM ADULT RAT ISOLATED ISLETS OF LANGERHANS IN LONG-TERM ORGAN CULTURE (FOURTEEN DAYS). Turcot-Lemay L, Lacy PE *Diabetes* 24: 658-63, Jul 75 (Eng)

CHANGES IN CARBOHYDRATE TOLERANCE DURING LONG-TERM ORAL CONTRACEPTION. Posner NA, Silverstone FA, Tobin EH, Breuer J *Am J Obstet Gynecol* 123: 119-27, 15 Sep 75 (Eng)

LONG TERM STUDIES OF PANCREAS TRANSPLANTATION IN EXPERIMENTAL DIABETES MELLITUS. Orloff MJ, Lee S, Charters AC 3d, Grambert DE, Storck LG, Knox D *Ann Surg* 182: 198-206, Sep 75 (Eng)

EFFECT OF GOLDTHIOGLUCOSE ON LONG-TERM CULTURES OF MOUSE HYPOTHALAMUS. Geller HM, Cechner RL, Fleming DG *Neurobiology* 2: 154-61, 1972 (Eng)

LOW BIRTHWEIGHT INFANT

EARLY GROWTH AND DEVELOPMENT IN LOW-BIRTHWEIGHT INFANTS FOLLOWING TREATMENT IN AN INTENSIVE CARE NURSERY. Fitzhardinge PM *Pediatrics* 56: 162-72, Aug 75 (Eng)

LUNG, RAT

LIPOPROTEIN LIPASE IN RAT LUNG. THE EFFECT OF FASTING. Hamosh M, Hamosh P *Biochim Biophys Acta* 380: 132-40, 24 Jan 75 (Eng)

LUTEINIZING HORMONE

[PROCEEDINGS: SIGNIFICANCE OF GLYCOGEN METABOLISM OF THE ANTERIOR PITUITARY LOBE IN THE MECHANISMS OF LH AND FSH RELEASE] Makino T, Takahata H, Shiina M, Iizuka R, Ono T *Folia Endocrinol Jpn* 50: 260, 20 Feb 74 (Jpn)

[PROCEEDINGS: RESPONSES OF PLASMA ACTH, GH, LH, FSH, TSH AND PROLACTIN IN CUSHINGS SYNDROME] Hashimoto K, Asaoka K, Mori M, Yokoyama M, Miyoshi M *Folia Endocrinol Jpn* 50: 537, 20 Feb 74 (Jpn)

LUYCKX LECTURE

[DISCUSSION OF MESSRS P. LEFEBVRE AND A. LUYCKX LECTURE: GLUCAGON AND ENERGY SUBSTRATES PUBLISHED IN THE BULLETIN, VOL. 128, FASC. 2, 1973, PP. 163-185] Lecomte J, Lefebvre P *Bull Acad R Med Belg* 129: 143-5, 1974 (Fre)

LYMPH

BIOCHEMICAL CHANGES IN LYMPH INDUCED BY HAEMORRHAGIC SHOCK IN DOGS. Badrinar IG, Adel-Kader MM, Ismail AA, Iskander F, Said MI, Barsoum MS *J Egypt Med Assoc* 57: 72-9, 1974 (Eng)

LYMPHOCYTE

CORRELATION OF EARLY CHANGES IN AMINO ACID TRANSPORT AND DNA SYNTHESIS IN STIMULATED LYMPHOCYTES. Van den Berg KJ, Betel I *Cell Immunol* 10: 319-23, Feb 74 (Eng)

LYMPHOCYTE, HUMAN

[OXIDATIVE PHOSPHORYLATION IN THE ISOLATED MITOCHONDRIA OF HUMAN LYMPHOCYTES] Cherniak NB, Chernova MK, Timofeeva LM, Taldenova NN *Vopr Med Khim* 20: 43-9, Jan-Feb 74 (Rus)

LYMPHOMA CELL

THE EFFECTS OF LOW CONCENTRATIONS OF 2-DEOXY-D-GLUCOSE ON THE GROWTH, SURFACE ARCHITECTURE, AND GLYCOPROTEIN METABOLISM OF P388 LYMPHOMA CELLS. Myers MW, Sartorelli AC *Biochem Biophys Res Commun* 63: 164-71, 3 Mar 75 (Eng)

LYSOSOME

STUDY OF THE MECHANISM OF THYROID HORMONE SECRETION IN AN IN VITRO MODEL SYSTEM: INDIRECT EVIDENCE FOR FUSION OF LYSOSOMES WITH THYROGLOBULIN LIPOSOMES. Kawada A, kadota T, Yoshimura Y, Kurata M *Endocrinology* 96: 1196-200, May 75 (Eng)

LYSOSOME, ARTERIAL

ARTERIAL LYSOSOMES AND CONNECTIVE TISSUE IN PRIMATE ATHEROSCLEROSIS AND HYPERTENSION. Wolinsky H, Goldfischer S, Daly MM, Kasak LE, Coltoff-Schiller B *Circ Res* 36: 553-61, Apr 75 (Eng)

MAGNESIUM

MULTIPLE INHIBITORY AND ACTIVATING EFFECTS OF NUCLEOTIDES AND MAGNESIUM ON ADRENAL ADENYLATE CYCLASE. Londo C, Rodbell M *J Biol Chem* 250: 3459-65, 10 May 75 (Eng)

MAGNESIUM ION

PHOSPHATE TRANSPORT ACROSS THE MITOCHONDRIAL MEMBRANE: THE INFLUENCE OF THIOL OXIDATION AND OF MG& ON INHIBITION BY MERCURIALS. Siliprandi D, Toninello A, Zoccarato F, Bindoli A *FEBS Lett* 51: 15-7, 1 Mar 75 (Eng)

EPINEPHRINE STIMULATION OF FAT CELL ADENYLATE CYCLASE: REGULATION BY GUANOSINE-5-TRIPHOSPHATE AND MAGNESIUM ION. Siegel MI, Cuatrecasas P *Mol Cell Endocrinol* 1: 89-98, Apr 74 (Eng)

MALONYL COENZYME A DEPENDENT

ON THE MECHANISM AND CONTROL OF THE MALONYL-COA-DEPENDENT CHAIN ELONGATION OF FATTY ACIDS. THE MALONYL-TRANSFER REACTION. Podack ER, Saathoff G, Seubert Eur *J Biochem* 50: 237-43, 16 Dec 74 (Eng)

MALONYL TRANSFER

ON THE MECHANISM AND CONTROL OF THE MALONYL-COA-DEPENDENT CHAIN ELONGATION OF FATTY ACIDS. THE MALONYL-TRANSFER REACTION. Podack ER, Saathoff G, Seubert Eur *J Biochem* 50: 237-43, 16 Dec 74 (Eng)

MAMMAL

THE EFFECTS OF LIGHT ON MAN AND OTHER MAMMALS. Wurtman RJ *Annu Rev Physiol* 37: 467-83, 1975 (Eng) [62]

MANAGEMENT

MANAGEMENT OF JUVENILE DIABETES MELLITUS. Chaney C, Elders MJ *J Arkansas Med Soc* 72: 111-27, Aug 75 (Eng) [50]

MANNOSYLTRANSFERASE

GLYCOPROTEIN BIOSYNTHESIS: STUDIES ON THYROID MANNOSYLTRANSFERASES. I. ACTION ON GLYCOPOLYMERIDES AND SIMPLE GLYCOSIDES. Adamany AM, Spiro RG *J Biol Chem* 250: 830-41, 25 Apr 75 (Eng)

MASS FRAGMENTOGRAPHIC DETERMINATION

STUDIES ON THE MASS FRAGMENTOGRAPHIC DETERMINATION OF PLASMA ESTRIOL. Adlercreutz H, Nylander P, Hunningham DH *Biomed Mass Spectrom* 1: 332-9, Oct 74 (Eng)

MASS SPECTROMETRY

DETERMINATION OF PHENFORMIN IN BIOLOGICAL FLUIDS USING CHEMICAL IONIZATION MASS SPECTROMETRY. Matin SB, Karam JH, Forsham PH, Knight JB *Biomed Mass Spectrom* 1: 320-2, Oct 74 (Eng)

THE USE OF SOLID PROBE CHEMICAL IONIZATION MASS SPECTROMETRY AND GAS CHROMATOGRAPHY-CHEMICAL IONIZATION MASS SPECTROMETRY IN QUANTITATION OF DRUGS IN BIOLOGICAL FLUIDS. DETERMINATION OF TOLBUTAMIDE AND ITS METABOLITES IN

MEMBRANE, PLASMA

MEMBRANE, MICROSOMAL

[TRANSFER OF GLUCOSE FROM UDP-GLUCOSE IN MICROSOMAL MEMBRANES OF RAT HEPATOCYTES (AUTHORS TRANSL.) Berthillier G, Azar GJ, Got R *Eur J Biochem* 51: 275-82, 3 Feb 75 (Fre)

[EFFECT OF LIPIDS ON LIVER MICROSOMAL MEMBRANES. (1) STUDIES OF A RELATIONSHIP BETWEEN DELIPIDATION OF LIVER MICROSOMES WITH THE VARIOUS ORGANIC SOLVENTS AND CYTOCHROME C REDUCTASE ACTIVITY LINKED TO REDUCED NICOTINAMIDE ADENINE DINUCLEOTIDE (AUTHORS TRANSL.) Ozaki S *Hokkaido J Med Sci* 49: 326-36, Jul 74 (Jpn)

[EFFECT OF LIPIDS ON LIVER MICROSOMAL MEMBRANES. (2) STUDIES ON THE INTERACTION BETWEEN EXTRA-CYTOCHROME B5 AND MICROSOMAL MEMBRANES (AUTHORS TRANSL.) Ozaki S *Hokkaido J Med Sci* 49: 337-46, Jul 74 (Jpn)

[EFFECT OF LIPIDS ON LIVER MICROSOMAL MEMBRANES. (3) STUDIES ON THE EFFECT OF LIPID MICELLES ON THE RECONSTITUTED SYSTEMS OF NADH-CYTOCHROME C REDUCTASE (AUTHORS TRANSL.) Ozaki S *Hokkaido J Med Sci* 49: 347-55, Jul 74 (Jpn)

MEMBRANE, MITOCHONDRIAL

PHOSPHATE TRANSPORT ACROSS THE MITOCHONDRIAL MEMBRANE: THE INFLUENCE OF THIOL OXIDATION AND OF MG&& ON INHIBITION BY MERCURIALS. Siliprandi D, Toninello A, Zoccarato F, Bindoli A *FEBS Lett* 51: 15-7, 1 Mar 75 (Eng)

THE FLUIDITY AND ORGANIZATION OF MITOCHONDRIAL MEMBRANE LIPIDS OF THE BROWN ADIPOSE TISSUE OF COLD-ADAPTED RATS AND HAMSTERS AS DETERMINED BY NITROXIDE SPIN PROBES. Cannon B, Polnaszek CF, Butler KW, Eriksson LE, Smith IC *Arch Biochem Biophys* 167: 505-18, Apr 75 (Eng)

MEMBRANE, NATURAL

A MODEL OF LATERAL DIFFUSION IN PHOSPHATIDE BILAYERS AND NATURAL MEMBRANES. Tinker DO *Chem Phys Lipids* 14: 33-40, Feb 75 (Eng)

MEMBRANE PENETRATING EFFECT

THE EFFECTS OF THE MEMBRANE-PENETRATING POLYPEPTIDE SEGMENT OF THE HUMAN ERYTHROCYTE MN-GLYCOPROTEIN ON THE PERMEABILITY OF MODEL LIPID MEMBRANES. Lea EJA, Rich GT, Segrest JP *Biochim Biophys Acta* 382: 41-50, 28 Feb 75 (Eng)

MEMBRANE, PLASMA

INSULIN RECEPTORS IN THE HEART MUSCLE. DEMONSTRATION OF SPECIFIC BINDING SITES AND IMPAIRMENT OF INSULIN BINDING IN THE PLASMA MEMBRANE OF THE OBESE HYPERGLYCEMIC MOUSE. Forgeur ME, Freychet P *Diabetes* 24: 715-23, Aug 75 (Eng)

THE MESOSOME—A CLUE TO THE EVOLUTION OF THE PLASMA MEMBRANE. Ghosh BK *Subcell Biochem* 3: 311-67, Dec 74 (Eng)

SYNTHESIS AND ASSEMBLY OF HELA CELL PLASMA MEMBRANE GLYCOPROTEINS AND PROTEINS. Atkinson PH *J Biol Chem* 250: 2123-34, 25 Mar 75 (Eng)

HUMAN PLASMA. Matin SB, Knight JB *Biomed Mass Spectrom* 1: 323-8, Oct 74 (Eng)

MEAL FEEDING

EFFECT OF MEAL-FEEDING ON THE DAILY VARIATIONS OF INSULIN, GLUCOSE, AND NADP-LINKED DEHYDROGENASES IN RATS. Kaul L, Berdanier CD *J Nutr* 105: 1132-40, Sep 75 (Eng)

EFFECT OF PANCREATECTOMY OR ADRENALECTOMY ON THE RESPONSES OF RATS TO MEAL-FEEDING. Kaul L, Berdanier CD *J Nutr* 105: 1176-85, Sep 75 (Eng)

MEDIAN EMINENCE (RAT)

ULTRASTRUCTURAL STUDY OF THE UPTAKE OF PEROXIDASE BY THE RAT MEDIAN EMINENCE. Pelletier G, Dupont A, Puviani R *Cell Tissue Res* 156: 521-32, 1975 (Eng)

MEDICAL SURVEY

[PREOPERATIVE MEDICAL SURVEY AND THE DENTISTS RESPONSIBILITY] Pompians-Miniac L *Rev Odontostomatol (Paris)* 3: 199-205, May 74 (Fre)

MEDIUM CHAIN

ELABORATION OF MEDIUM CHAIN FREE FATTY ACIDS AND LONG CHAIN FATTY ACID PROSTAGLANDIN PRECURSORS BY ISOLATED ANOXIC RAT LIVER MITOCHONDRIA. Markelonis G, Garbus J *FEBS Lett* 51: 7-10, 1 Mar 75 (Eng)

MELANOCYTE STIMULATING HORMONE

EFFECT OF DIBUTYRYL CYCLIC AMP ON THE RELEASE OF MELANOCYTE-STIMULATING HORMONE FROM RAT NEUROINTERMEDIATE LOBES IN VITRO. Baker RI *J Endocrinol* 63: 533-8, Dec 74 (Eng)

MEMBRANE

FATTY ACID CHAIN FLEXIBILITY IN THE MEMBRANES OF NORMAL AND TRANSFORMED FIBROBLASTS. Gaffney BJ *Proc Natl Acad Sci USA* 72: 664-8, Feb 75 (Eng)

SPECTATOR-ION EFFECT ON THE PASSAGE OF IONS THROUGH MEMBRANES. Kozak JJ *Proc Natl Acad Sci USA* 72: 683-7, Feb 75 (Eng)

MEMBRANE PHOTOCHEMISTRY AND PHOTOBIOLOGY. Krinsky NI *Photochem Photobiol* 20: 532-5, Dec 74 (Eng)

MEMBRANE SURFACE CHARGE: DISCRETE AND UNIFORM MODELLING. Brown RH Jr *Prog Biophys Mol Biol* 28: 341-70, 1974 (Eng) [27]

INTRINSIC TRYPTOPHAN FLUORESCENCE OF MEMBRANES OF GH3 PITUITARY CELLS: QUENCHING BY THYROTROPIN-RELEASING HORMONE. Imae T, Fasman GD, Hinkle PM, Tashjian AH Jr *Biochem Biophys Res Commun* 62: 923-32, 17 Feb 75 (Eng)

MEMBRANE, BIOLOGICAL

STRUCTURAL STUDIES OF THE ASSOCIATIONS BETWEEN BIOLOGICAL MEMBRANE COMPONENTS. Gulik-Krzywicki T *Biochim Biophys Acta* 415: 1-28, 25 Mar 75 (Eng) [152]

ELECTRON DIFFRACTION STUDIES OF BIOLOGICAL MEMBRANES AND LIPIDS. Carlemalm E, Wieslander A *Nature* 254: 537-8, 10 Apr 75 (Eng)

[VITAMIN A AND BIOLOGICAL MEMBRANES. IV. CHANGES INDUCED BY A VITAMIN A DEFICIENT DIET IN THE FATTY ACID COMPOSITION OF THE STROMA OF ALBINO RAT ERYTHROCYTES] Carbin L, Dazzi E, Padalino A *Acta Vitaminol Enzymol (Milano)* 28: 199-202, 1974 (Ita)

MEMBRANE, CARDIAC PLASMA

EFFECT OF ETHANOL AND ACETALDEHYDE ON THE (NA& &K&)-ACTIVATED ADENOSINE TRIPHOSPHATASE ACTIVITY OF CARDIAC PLASMA MEMBRANES. Williams JW, Tada M, Katz AM, Rubin E *Biochem Pharmacol* 24: 27-32, 1 Jan 75 (Eng)

MEMBRANE, COATED

FUNCTION OF COATED MEMBRANES AND MULTIVESICULAR BODIES DURING MEMBRANE REGULATION IN STIMULATED EXOCRINE PANCREAS CELLS. Geuze JJ, Kramer MF *Cell Tissue Res* 156: 1-20, 1974 (Eng)

MEMBRANE COMPONENT

GLUCOSE TRANSPORT CARRIER IN HUMAN ERYTHROCYTE MEMBRANES. DINITROPHENYLATION OF A MEMBRANE COMPONENT MODIFIED BY D-GLUCOSE. Jung CY, Carlson LM *J Biol Chem* 250: 3217-20, 10 May 75 (Eng)

PHOSPHATE TRANSPORT IN RAT LIVER MITOCHONDRIA. MEMBRANE COMPONENTS LABELED BY N-ETHYLMALAMIDE DURING INHIBITION OF TRANSPORT. Coty WA, Pedersen PL *J Biol Chem* 250: 3515-21, 10 May 75 (Eng)

MEMBRANE, EXCITABLE

STRUCTURE-FUNCTION RELATIONSHIPS IN EXCITABLE MEMBRANES. Landowne D, Potter LT, Terrar DA *Annu Rev Physiol* 37: 485-508, 1975 (Eng) [134]

MEMBRANE, INNER

THE INFLUENCE OF RESPIRATION AND ATP HYDROLYSIS ON THE PROTON-ELECTROCHEMICAL GRADIENT ACROSS THE INNER MEMBRANE OF RAT-LIVER MITOCHONDRIA AS DETERMINED BY ION DISTRIBUTION. Nicholls DG *Eur J Biochem* 50: 305-15, 16 Dec 74 (Eng)

MEMBRANE, INNER MITOCHONDRIAL

A SCANNING AND STEREOGRAPHIC ULTRASTRUCTURAL ANALYSIS OF THE ISOLATED INNER MITOCHONDRIAL MEMBRANE DURING CHANGE IN METABOLIC ACTIVITY. Andrews PM, Hackenbrock CR *Exp Cell Res* 90: 127-36, Jan 75 (Eng)

MEMBRANE, LIPID

THE EFFECTS OF THE MEMBRANE-PENETRATING POLYPEPTIDE SEGMENT OF THE HUMAN ERYTHROCYTE MN-GLYCOPROTEIN ON THE PERMEABILITY OF MODEL LIPID MEMBRANES. Lea EJA, Rich GT, Segrest JP *Biochim Biophys Acta* 382: 41-50, 28 Feb 75 (Eng)

MEMBRANE, LIPOPROTEIN

STUDIES OF A SERUM ALBUMIN-LIPOSOME COMPLEX AS A MODEL LIPOPROTEIN MEMBRANE. Sogor BV, Zull JE *Biochim Biophys Acta* 375: 363-80, 14 Feb 75 (Eng)

Diabetes Literature—Keyword Index

MEMBRANE RECEPTOR

MEMBRANE RECEPTOR

INTERACTIONS OF GLUCAGON, GUT GLUCAGON, VASOACTIVE INTESTINAL POLYPEPTIDE AND SECRETIN WITH THEIR MEMBRANE RECEPTORS. Bataille D, Rosselin G, Freychet P *Isr J Med Sci* 11: 687-92, Jul 75 (Eng)

MEMBRANE, RENAL

ANALYSIS OF THE REQUIREMENTS FOR PARATHYROID HORMONE ACTION IN RENAL MEMBRANES WITH THE USE OF INHIBITING ANALOGUES. Goltzmann D, Peytremann A, Callahan E, Tregear GW, Potts JT Jr *J Biol Chem* 250: 3199-203, 25 Apr 75 (Eng)

MEMBRANE STRUCTURE

ELECTROMECHANICAL STRESSES AND THE EFFECT OF PH ON MEMBRANE STRUCTURE. Coster HG *Biochim Biophys Acta* 382: 142-6, 13 Mar 75 (Eng)

X-RAY DIFFRACTION STUDIES OF HUMAN ERYTHROCYTE MEMBRANE STRUCTURE. Stamatoff JB, Krimm S, Harvie NR *Proc Natl Acad Sci USA* 72: 531-4, Feb 75 (Eng)

MEMBRANE, SYNAPTIC

FLUIDITY IN HYDROPHOBIC PROTEIN REGIONS OF SYNAPTIC MEMBRANES. Hoss W, Aboud LG *Eur J Biochem* 50: 177-81, 16 Dec 74 (Eng)

MEMBRANE VESICLE

[GLUCOSE TRANSPORT INTO MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII CELLS] Panchenko LF, Fedotov NS, Goriacheva LA, Tarshis MA *Dokl Akad Nauk SSSR* 221: 487-9, 1975 (Rus)

AMINO ACID TRANSPORT IN MEMBRANE VESICLES OF OBLIGATELY ANAEROBIC VEILLONELLA ALCALESCENS. Konings WN, Boonstra J, De Vries W *J Bacteriol* 122: 245-9, Apr 75 (Eng)

COUPLING OF ALANINE RACEMASE AND D-ALANINE DEHYDROGENASE TO ACTIVE TRANSPORT OF AMINO ACIDS IN ESCHERICHIA COLI B MEMBRANE VESICLES. Kaczorowski G, Shaw L, Fentes M, Walsh C *J Biol Chem* 250: 2855-65, 25 Apr 75 (Eng)

KINETICS OF NAPLUS-DEPENDENT AMINO ACID TRANSPORT USING CELLS AND MEMBRANE VESICLES OF A MARINE PSEUDOMONAD. Sprott GD, Drozdowski JP, Martin EL, MacLeod RA *Can J Microbiol* 21: 43-50, Jan 75 (Eng)

RELATION BETWEEN REDUCED NICOTINAMIDE ADENINE DINUCLEOTIDE OXIDATION AND AMINO ACID TRANSPORT IN MEMBRANE VESICLES FROM BACILLUS SUBTILIS. Bischoff A, de Jong L, Lima Costa ME, Konings WN *J Bacteriol* 121: 807-13, Mar 75 (Eng)

MENARCHE

DECREASED CARBOHYDRATE TOLERANCE IN PREGNANT PATIENTS WITH AN EARLY MENARCHE. Loffer FD *Am J Obstet Gynecol* 123: 180-4, 15 Sep 75 (Eng)

MENINGITIS, ACUTE

PATTERN OF CSF GLUCOSE CONCENTRATION AFTER INDUCED HYPERGLYCAEMIA IN PATIENTS WITH ACUTE MENINGITIS AND EVIDENCE OF CEREBROSPINAL

CANAL OBSTRUCTION. Contoyiannis PA, Adamopoulos DA, Leventis AS *Eur Neurol* 13: 476-80, 1975 (Eng)

MENOPAUSE

HUMAN GROWTH HORMONE RESPONSE TO LEVODOPA. RELATION TO MENOPAUSE, DEPRESSION, AND PLASMA DOPA CONCENTRATION. Sachar EJ, Altman N, Gruen PH, Glassman A, Halpern FS, Sassini J *Arch Gen Psychiatry* 32: 502-3, Apr 75 (Eng)

MERCURIAL

PHOSPHATE TRANSPORT ACROSS THE MITOCHONDRIAL MEMBRANE: THE INFLUENCE OF THIOL OXIDATION AND OF MG&& ON INHIBITION BY MERCURIALS. Siliprandi D, Toninello A, Zoccarato F, Bindoli A *FEBS Lett* 51: 15-7, 1 Mar 75 (Eng)

MESENCHYMAL TUMOR

MECHANISM OF HYPOGLYCAEMIA IN A PATIENT WITH MESENCHYMAL TUMOUR. Meinders AE, Smit EM, Cejka V, Braat MC *Neth J Med* 17: 227-33, 1974 (Eng)

MESOSOME

THE MESOSOME--A CLUE TO THE EVOLUTION OF THE PLASMA MEMBRANE. Ghosh BK *Subcell Biochem* 3: 311-67, Dec 74 (Eng)

METABOLIC ACTIVITY

A SCANNING AND STEREOGRAPHIC ULTRASTRUCTURAL ANALYSIS OF THE ISOLATED INNER MITOCHONDRIAL MEMBRANE DURING CHANGE IN METABOLIC ACTIVITY. Andrews PM, Hackenbrock CR *Exp Cell Res* 90: 127-36, Jan 75 (Eng)

METABOLIC ACTIVITY OF BROWN ADIPOSE TISSUE DURING DEVELOPMENT. Kunes J, Vizek K, Drahota Z *Physiol Bohemoslov* 21: 609-14, 1972 (Eng)

METABOLIC ANOMALY

METABOLIC ANOMALIES OF THE OBESE-HYPERGLYCEMIC (OB/OB) MICE OF BAR HARBOR. Jeanrenaud B, Assimacopoulos-Jeanet F, Loten EG, Karakash C, Le Marchand Y *Isr J Med Sci* 11: 723-9, Jul 75 (Eng)

METABOLIC COMPLICATION

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: METABOLIC COMPLICATIONS. Anonymous *Kidney Int [Suppl]* 73-6, Oct 74 (Eng)

METABOLIC DISEASE

MYOPATHIES RELATED TO DIABETES MELLITUS AND OTHER METABOLIC DISEASES. Zacks SI *Ann Clin Lab Sci* 5: 248-51, Jul-Aug 75 (Eng)

METABOLIC DISORDER

MUSCULAR CAPILLARY BASEMENT MEMBRANE HYPERTROPHY IN HYPERLIPIDEMIA TYPE IV: A REVERSIBLE CONSEQUENCE OF A METABOLIC DISORDER. De Vries O, Vos J, Reitsma WD, Doorenbos H, Molenaar I *Neth J Med* 17: 220-6, 1974 (Eng)

METABOLIC PROFILE

METABOLIC PROFILES IN PREGNANCY. Gillmer MD, Oakley NW, Brooke FM, Beard RW *Isr J Med Sci* 11: 601-8, Jun 75 (Eng)

METABOLIC RHYTHM

METABOLIC RHYTHMS IN NORMAL AND DIABETIC MAN. STUDIES IN INSULIN-TREATED DIABETES. Alberti KG, Dornhorst A, Rowe AS *Isr J Med Sci* 11: 571-80, Jun 75 (Eng)

METHIONINE TOXICITY

METHIONINE TOXICITY IN THE CHICK: NUTRITIONAL AND METABOLIC IMPLICATIONS. Katz RS, Baker DH *J Nutr* 105: 1168-75, Sep 75 (Eng)

MICELLE

[EFFECT OF LIPIDS ON LIVER MICROSOMAL MEMBRANES. (3) STUDIES ON THE EFFECT OF LIPID MICELLES ON THE RECONSTITUTED SYSTEMS OF NADH-CYTOCHROME C REDUCTASE (AUTHORS TRANSL)] Ozaki S *Hokkaido J Med Sci* 49: 347-55, Jul 74 (Jpn)

MICROANGIOPATHY, DIABETIC

[ETIOLOGY OF DIABETIC MICROANGIOPATHY] Wehner H *Hippokrat 45: 508-10, Nov 74 (Ger)*

MICROANGIOPATHIA DIABETICA

REMARKS ON MICROANGIOPATHIA DIABETICA. Bauer J *Panninerva Med* 14: 83, Mar 72 (Eng)

MICROCIRCULATION, PERIPHERAL

[SOME CHARACTERISTICS OF THE PERIPHERAL MICROCIRCULATION AND CAPILLARY PERMEABILITY IN SCHIZOPHRENIA] Smirnov VK *Zh Nevropatol Psikhiatr* 74: 406-12, 1974 (Rus)

MICROCOCOCCUS FREUDENREICHII

[REGULATION OF LIPID SYNTHESIS UNDER CONDITIONS OF A VARYING GROWTH RATE IN CANDIDA TROPICALIS AND IN MICROCOCCUS FREUDENREICHII] Isakova DM, Kvasnikov EI, Loiko ZI *Prikl Biokhim Mikrobiol* 10: 831-6, Nov-Dec 74 (Rus)

MICROGLIA

ACTIVATED HUMAN RETINAL MICROGLIA UNDER PATHOLOGICAL CONDITIONS. Vrabec F *Albrecht von Graefes Arch Klin Ophthalmol* 196: 49-60, 4 Aug 75 (Eng)

MICROSOME

[MICROSOME-ASSOCIATED 17BETA-HYDROXYSTEROID DEHYDROGENASES OF HUMAN PLACENTA, II KINETIC STUDIES AND CHARACTERIZATION OF THE SOLUBILIZED ESTRADIOL-AND TESTOSTERONE-SENSITIVE 17BETA-HSD-ACTIVITIES] Pollow K, Runge W, Pollow B *Z Naturforsch [C]* 30: 17-24, Jan-Feb 75 (Ger)

MICROSOME FRACTION

[PROCEEDINGS: CATECHOLAMINE POOL AND METABOLISM IN MICROSOME FRACTIONS] Yamada R, Yoshitoshi K *Folia Endocrinol Jpn* 50: 634, 20 Feb 74 (Jpn)

MICROSTRUCTURE, BRAIN

[ROLE OF SPECIFIC IMPULSES IN THE POSTNATAL FORMATION OF CHEMICAL ACTIVITY IN MICROSTRUCTURES OF THE

Diabetes Literature—Keyword Index

MONOCOMPONENT INSULIN

MITOCHONDRIAL PROTEIN

CHARACTERIZATION OF THE PHOSPHOENOLPYRUVATE INHIBITION OF MITOCHONDRIAL PROTEIN SYNTHESIS. McCoy GD, Doeg KA *J Biol Chem* 250: 3510-4, 10 May 75 (Eng)

MITOCHONDRION

THE MITOCHONDRION AND BIOLOGIC OXIDATIONS. Nahrwold ML, Cohen PJ *Clin Anesth* 11: 1-23, 1975 (Eng) [73]

MITOGEN, HORMONAL

REQUIREMENTS FOR DIVALENT CATIONS BY HORMONAL MITOGENS AND THEIR INTERACTIONS WITH SEX STEROIDS. Morgan JI, Hall AK, Perris AD *Biochem Biophys Res Commun* 66: 188-94, 2 Sep 75 (Eng)

MITOSIS, FREQUENCY

[SIGNIFICANCE OF TISSUE SPECIFICITY FOR THE FREQUENCY OF MITOSIS AND ITS CHANGES (AUTHORS TRANSL)] Hildebrand R, Ernst H *Anat Anz* 137: 196-9, 1975 (Ger)

MODEL SYSTEM

STUDY OF THE MECHANISM OF THYROID HORMONE SECRETION IN AN IN VITRO MODEL SYSTEM: INDIRECT EVIDENCE FOR FUSION OF LYSOSOMES WITH THYROGLOBULIN LIPOSOMES. Kawada A, kadota T, Yoshimura Y, Kurata M *Endocrinology* 96: 1196-200, May 75 (Eng)

MODELLING

MEMBRANE SURFACE CHARGE: DISCRETE AND UNIFORM MODELLING. Brown RH Jr *Prog Biophys Mol Biol* 28: 341-70, 1974 (Eng) [27]

MOLECULAR WEIGHT

CONVERSION OF [125I]GROWTH HORMONE INTO HIGH MOLECULAR WEIGHT FORMS IN VIVO. Antonides HN *Endocrinology* 96: 799-802, Mar 75 (Eng)

MONKEY

FEEDING BEHAVIOR IN MONKEYS WITH SPONTANEOUS DIABETES MELLITUS. Hamilton CL, Lewis DJ *J Med Primatol* 4: 145-53, 1975 (Eng)

BIOCHEMICAL PARAMETERS IN THE PATAS MONKEY. Paterson M *Lab Anim* 9: 21-31, Jan 75 (Eng)

MONOACYLGLYCERYL PHOSPHATE

BIOSYNTHESIS OF BIS(MONOACYLGLYCERYL)PHOSPHATE AND ACYLPHOSPHATIDYLGLYCEROL IN RAT LIVER MITOCHONDRIAL. Poorthuis BJHM, Hostetter KY *J Biol Chem* 250: 3297-302, 10 May 75 (Eng)

MONOCARBOXYLIC OXOACID

THE TRANSPORT OF MONOCARBOXYLIC OXOACIDS IN RAT LIVER MITOCHONDRIA. Paradies G, Papa S *FEBS Lett* 52: 149-52, 15 Mar 75 (Eng)

MONOCOMPONENT INSULIN

INSULIN ANTIBODY FORMATION DURING LONG-TERM TREATMENT WITH MONOCOMPONENT AND MONOSPECIES

ANIMAL BRAIN VISUAL ANALYZER] Pigareva ZD *Usp Sovrem Biol* 79: 48-63, Jan-Feb 75 (Rus) [97]

MICROTUBULE

MICROTUBULES AND THE INTRACELLULAR CONVERSION OF PROPARATHYROID HORMONE TO PARATHYROID HORMONE. Kemper B, Habener JF, Rich A, Potts JT Jr *Endocrinology* 96: 903-12, Apr 75 (Eng)

CYTOPLASMIC MICROTUBULES AND THEIR FUNCTIONS. Roberts K *Prog Biophys Mol Biol* 28: 371-420, 1974 (Eng) [416]

CYTOCHEMICAL LOCALIZATION OF PHOSPHODIESTERASE: AXONAL MITOCHONDRIA AND MICROTUBULES. Berg JS *J Insect Physiol* 21: 455-61, Feb 75 (Eng)

[STRUCTURE AND FUNCTION OF MICROTUBULES (AUTHORS TRANSL)] Nagayama A *Protein Nucleic Acid Enzyme (Tokyo)* 19: 1108-20, Nov 74 (Jpn) [123]

MIDBRAIN, CALF

INHIBITOR OF CATECHOLAMINE-INDUCED FREE FATTY ACID MOBILIZATION FROM THE CALF MIDBRAIN. Hollett CR *Biochem Pharmacol* 23: 989-98, 1 Mar 74 (Eng)

MIRSKY, ARTHUR

I. ARTHUR MIRSKY. 1907-1974. Danowski TS, Hofmann K *Diabetes* 24: 776-8, Aug 75 (Eng)

MITOCHONDRIA

EFFECTS OF ALLOXAN DIABETES AND INSULIN ON MORPHOLOGY AND CERTAIN FUNCTIONAL ACTIVITIES OF MITOCHONDRIA OF THE RAT LIVER AND HEART. Marinari UM, Monacelli R, Cottalasso D, Novelli A *Acta Diabetol Lat* 11: 296-314, Jul-Aug 74 (Eng)

BROWN ADIPOSE TISSUE MITOCHONDRIA. Flatmark T, Pedersen JI *Biochim Biophys Acta* 416: 53-103, 31 Mar 75 (Eng) [226]

THE PURIFICATION AND SOME PROPERTIES OF ELECTRON TRANSFER FLAVOPROTEIN AND GENERAL FATTY ACYL COENZYME A DEHYDROGENASE FROM PIG LIVER MITOCHONDRIA. Hall CL, Kamin H *J Biol Chem* 250: 3476-86, 10 May 75 (Eng)

ACTION OF THE ADENOSINE TRIPHOSPHATE ANALOG, ADENYLYL IMIDODIPHOSPHATE IN MITOCHONDRIA. Melnick RL, De Sousa JT, Maguire J, Packer L *Arch Biochem Biophys* 166: 139-44, Jan 75 (Eng)

THE MECHANISM OF INHIBITION BY OLIGOMYCIN OF OXIDATIVE PHOSPHORYLATION IN MITOCHONDRIA. Bertina RM, Steenstra JA, Slater EC *Biochim Biophys Acta* 368: 279-97, 19 Dec 74 (Eng)

CONTROL OF PHOSPHORYLATIVE ACTIVITY IN HUMAN LIVER MITOCHONDRIA THROUGH CHANGES IN RESPIRATORY ENZYME CONTENTS. Ozawa K, Honjo I *Clin Sci Mol Med* 48: 75-82, Feb 75 (Eng)

FATTY ACID BIOSYNTHESIS BY ISOLATED MITOCHONDRIA FROM DROSOPHILA MELANOGASTER. Goldin HH, Keith AD *J Insect Physiol* 14: 887-99, Jul 68 (Eng)

[CHARACTERISTICS OF THE PLACENTAL MITOCHONDRIA IN WOMEN AT VARIOUS PERIODS OF PHYSIOLOGICAL PREGNANCY] Bulienko SD, Kisilevich RSh, Skvarko SI, Matyniak LG *Ukr Biokhim Zh* 46: 492-5, Jul-Aug 74 (Ukr)

[OXIDATIVE PHOSPHORYLATION IN THE ISOLATED MITOCHONDRIA OF HUMAN

LYMPHOCYTES] Cherniak NB, Chernova MK, Timofeeva LM, TALELENOVA NN *Vopr Med Khim* 20: 43-9, Jan-Feb 74 (Rus)

MITOCHONDRIA, CARDIAC

CONTROL OF PYRUVATE DEHYDROGENASE ACTIVITY IN INTACT CARDIAC MITOCHONDRIA. REGULATION OF THE INACTIVATION AND ACTIVATION OF THE DEHYDROGENASE. Chiang PK, Sacktor B *J Biol Chem* 250: 3399-408, 10 May 75 (Eng)

MITOCHONDRIA, LIVER

THE ACTIVATION OF SHORT-CHAIN FATTY ACIDS BY THE SOLUBLE FRACTION OF GUINEA-PIG HEART AND LIVER MITOCHONDRIA. THE SEARCH FOR A DISTINCT PROPIONYL-COA SYNTHETASE. Groot PH *Biochim Biophys Acta* 380: 12-20, 24 Jan 75 (Eng)

MITOCHONDRIA, RAT LIVER

ELABORATION OF MEDIUM CHAIN FREE FATTY ACIDS AND LONG CHAIN FATTY ACID PROSTAGLANDIN PRECURSORS BY ISOLATED ANOXIC RAT LIVER MITOCHONDRIA. Markelonis G, Garbus J *FEBS Lett* 51: 7-10, 1 Mar 75 (Eng)

THE TRANSPORT OF MONOCARBOXYLIC OXOACIDS IN RAT LIVER MITOCHONDRIA. Paradies G, Papa S *FEBS Lett* 52: 149-52, 15 Mar 75 (Eng)

PHOSPHATE TRANSPORT IN RAT LIVER MITOCHONDRIA. MEMBRANE COMPONENTS LABELED BY N-ETHYLMALAMIDE DURING INHIBITION OF TRANSPORT. Coty WA, Pedersen PL *J Biol Chem* 250: 3515-21, 10 May 75 (Eng)

STUDIES ON FERROUS ION-INDUCED LIPID PEROXIDATION OF RAT LIVER MITOCHONDRIA. I. EFFECT OF INORGANIC PHOSPHATE. Yamamoto G, Tanabe M, Wakabayashi H, Hasimoto G, Yamamoto M *Acta Med Okayama* 28: 299-310, Oct 74 (Eng)

THE INFLUENCE OF RESPIRATION AND ATP HYDROLYSIS ON THE PROTON-ELECTROCHEMICAL GRADIENT ACROSS THE INNER MEMBRANE OF RAT-LIVER MITOCHONDRIA AS DETERMINED BY ION DISTRIBUTION. Nicholls DG *Eur J Biochem* 50: 305-15, 16 Dec 74 (Eng)

REGULATION OF PYRUVATE DEHYDROGENASE IN ISOLATED RAT LIVER MITOCHONDRIA. EFFECTS OF OCTANOATE, OXIDATION-REDUCTION STATE, AND ADENOSINE TRIPHOSPHATE TO ADENOSINE DIPHOSPHATE RATIO. Taylor SI, Mukherjee C, Jungas RL *J Biol Chem* 250: 2028-35, 25 Mar 75 (Eng)

MITOCHONDRIAL COENZYME A

MOLECULAR AND CATALYTIC PROPERTIES OF MITOCHONDRIAL (KETOGENIC) 3-HYDROXY-3-METHYLGLUTARYL COENZYME A SYNTHASE OF LIVER. Reed WD, Clinkenbeard D, Lane MD *J Biol Chem* 250: 3117-23, 25 Apr 75 (Eng)

MITOCHONDRIAL FUNCTION

MITOCHONDRIAL FUNCTION UNDER HYPOXIC CONDITIONS: THE STEADY STATES OF CYTOCHROME ALPHA₂ AND ALPHA₃ AND THEIR RELATION TO MITOCHONDRIAL ENERGY STATES. Oshino N, Sugano T, Oshino R, Chance B *Biochim Biophys Acta* 368: 298-310, 19 Dec 74 (Eng)

Diabetes Literature—Keyword Index

MONOCOMPONENT PORK INSULIN

INSULIN. Piers DA, Sluiter WJ, Reitsma WD, Doorenbos H *Neth J Med* 17: 234-8, 1974 (Eng)

MONOCOMPONENT PORK INSULIN

ANTIGENICITY OF MONOCOMPONENT PORK INSULIN IN DIABETIC SUBJECTS. Yee DK, Turtle JR *Diabetes* 24: 625-32, Jul 75 (Eng)

MONOLAYER CULTURE

AN IMPROVED METHOD FOR THE ISOLATION OF SURFACE MEMBRANES FROM CELLS IN MONOLAYER CULTURE. Carlsen SA, Till JE *Can J Biochem* 53: 106-8, Jan 75 (Eng)

MONOLAYER, PHOSPHOLIPID

INTERACTION OF BASIC POLYPEPTIDES WITH PHOSPHOLIPID MONOLAYERS. Miller IR, Bach D *Chem Phys Lipids* 13: 453-65, Dec 74 (Eng)

MONOMER

THE STRUCTURE OF A YEAST HEXOKINASE MONOMER AND ITS COMPLEXES WITH SUBSTRATES AT 2.7-Å RESOLUTION. Fletcher RJ, Bates DJ, Steitz TA *Proc Natl Acad Sci USA* 72: 38-42, Jan 75 (Eng)

MONOSPECIES INSULIN

INSULIN ANTIBODY FORMATION DURING LONG-TERM TREATMENT WITH MONOCOMPONENT AND MONOSPECIES INSULIN. Piers DA, Sluiter WJ, Reitsma WD, Doorenbos H *Neth J Med* 17: 234-8, 1974 (Eng)

MONOVALENT CATION

PHOSPHORYLATION OF ENDOGENOUS SUBSTRATES BY ERYTHROCYTE MEMBRANE PROTEIN KINASES. I. A MONOVALENT CATION-STIMULATED REACTION. Avruch J, Fairbanks G *Biochemistry* 13: 5507-14, 31 Dec 74 (Eng)

MORPHINE

EFFECTS OF SOMATOSTATIN AND HYPOTHALAMIC VENTROMEDIAL LESIONS ON GH RELEASE INDUCED BY MORPHINE. Martin JB, Audet J, Saunders A *Endocrinology* 96: 839-47, Apr 75 (Eng)

MORPHOLOGY

EFFECTS OF ALLOXAN DIABETES AND INSULIN ON MORPHOLOGY AND CERTAIN FUNCTIONAL ACTIVITIES OF MITOCHONDRIA OF THE RAT LIVER AND HEART. Marinari UM, Monacelli R, Cottalasso D, Novelli A *Acta Diabetol Lat* 11: 296-314, Jul-Aug 74 (Eng)

MOUSE

SYMPOSIUM IV: DIABETIC SYNDROME IN ANIMALS. INFLUENCE OF GENETIC BACKGROUND ON THE EXPRESSION OF MUTATIONS AT THE DIABETES LOCUS IN THE MOUSE. II. STUDIES ON BACKGROUND MODIFIERS. Coleman DL, Hummel KP *Isr J Med Sci* 11: 708-13, Jul 75 (Eng)

SUGAR ABSORPTION BY MOUSE SMALL INTESTINE. Herzberg GR, Howland JL *Comp Biochem Physiol* [A] 47: 1191-8, 1 Apr 74 (Eng)

METABOLISM OF THE MOUSE PLACENTA. Galil AK *J Reprod Fertil* 42: 575-8, Mar 75 (Eng)

DISACCHARIDE HYDROLYSIS, INTESTINAL ABSORPTION AND ELECTROGENIC PROPERTIES IN SALMONELLA ENTEROCOLITIS IN MICE. Madge DS *Digestion* 11: 25-38, 1974 (Eng)

MOUSE, OBOB

METABOLIC ANOMALIES OF THE OBESE-HYPERGLYCEMIC (OB/OB) MICE OF BAR HARBOR. Jeanrenaud B, Assimacopoulos-Jeannet F, Loten EG, Karakash C, Le Marchand Y *Isr J Med Sci* 11: 723-9, Jul 75 (Eng)

MOUSE, SPINY (ACOMYS CAHIRINUS)

HYPERLIPIDEMIA AND HEPATIC HYPERLIPOGENESIS IN SPINY MICE (ACOMYS CAHIRINUS) ON CARBOHYDRATE DIETS: RELATIONSHIP TO PERIPHERAL UNDERRESPONSIVENESS AND LOW INSULIN RELEASE. Shafirir E, Benchimol A, Orevi M *Isr J Med Sci* 11: 738-52, Jul 75 (Eng)

MOUSE, SPINY (ACOMYS CAHIRINUS)

DEFECTIVE INSULIN SECRETION IN THE SPINY MOUSE (ACOMYS CAHIRINUS). POSSIBLE VALUE IN THE STUDY OF THE PATHOPHYSIOLOGY OF DIABETES. Rabinovitch A, Gutzeit A, Grill V, Kikuchi M, Renold AE, Cerasi E *Isr J Med Sci* 11: 730-7, Jul 75 (Eng)

MULTIRECEPTOR, CELL

[PROCEEDINGS: ETIOLOGICAL CONSIDERATION IN ACROMEGALY: ON THE MULTIRECEPTOR OF THE GROWTH HORMONE SECRETING CELLS] Onaya T, Tsukui T, Sato A, Kobayashi R, Iwasa Y *Folia Endocrinol Jpn* 50: 282, 20 Feb 74 (Jpn)

MULTIVESICULAR BODY

FUNCTION OF COATED MEMBRANES AND MULTIVESICULAR BODIES DURING MEMBRANE REGULATION IN STIMULATED EXOCRINE PANCREAS CELLS. Geuze JJ, Kramer MF *Cell Tissue Res* 156: 1-20, 1974 (Eng)

MUSCLE, RABBIT

EFFECTS OF GROUP-SELECTIVE REAGENTS ON RABBIT MUSCLE GLYCOGEN SYNTHASE. Larner J, Benjamin D, Rossini L *Mol Cell Biochem* 6: 65-70, 31 Jan 75 (Eng)

MUSCULAR EXERCISE EFFECT

THE EFFECT OF MUSCULAR EXERCISE ON FREE FATTY ACIDS, ACETOACETATE AND 3-HYDROXYBUTYRATE BLOOD LEVELS. Boninsegna A, Federspil G, De Palo C *Horm Metab Res* 6: 488-91, Nov 74 (Eng)

MUTANT

GLUCOSE TRANSPORT-DEFICIENT MUTANT OF NEUROSPORA CRASSA WITH AN UNUSUAL RHYTHMIC GROWTH PATTERN. Halaban R *J Bacteriol* 121: 1056-63, Mar 75 (Eng)

MUTATION

SYMPOSIUM IV: DIABETIC SYNDROME IN ANIMALS. INFLUENCE OF GENETIC BACKGROUND ON THE EXPRESSION OF MUTATIONS AT THE DIABETES LOCUS IN THE MOUSE. II. STUDIES ON BACKGROUND MODIFIERS. Coleman DL, Hummel KP *Isr J Med Sci* 11: 708-13, Jul 75 (Eng)

MUTATION, LETHAL

CONDITIONALLY LETHAL MUTATIONS IN CHINESE HAMSTER CELLS. CHARACTERIZATION OF A CELL LINE WITH A POSSIBLE DEFECT IN THE KREBS CYCLE. DeFrancesco L, Wernitz D, Scheffler IE *J Cell Physiol* 85: 293-305, Apr 75 (Eng)

MYELIN CONTENT

DECREASE IN MYELIN CONTENT OF RABBIT SCIATIC NERVE WITH AGING AND DIABETES. Spritz N, Singh H, Marinar B *Diabetes* 24: 680-3, Jul 75 (Eng)

MYOCARDIAL

CATECHOLAMINE STIMULATED MYOCARDIAL ADENYLATE CYCLASE: EFFECTS OF PHOSPHOLIPASE DIGESTION AND THE ROLE OF MEMBRANE LIPIDS. Lefkowitz RJ *J Mol Cell Cardiol* 7: 27-37, Jan 75 (Eng)

MYOCARDIAL INFARCT, ACUTE

[THE SYMPATHICO-ADRENAL SYSTEM IN ACUTE MYOCARDIAL INFARCT] Sznajderman M *Kardiol Pol* 18: 43-9, 1975 (Pol)

MYOCARDIAL INFARCTION

LETTER: ACUTE SYSTOLIC HYPERTENSION DURING MYOCARDIAL INFARCTION. Oliver MF *Br Med J* 3: 432, 16 Aug 75 (Eng)

ASSESSING INCIDENCE AND RISK FACTORS IN MYOCARDIAL INFARCTION. Librach G, Schadel M, Seltzer M, Hart A *Geriatrics* 30: 79-82, 89-93, Sep 75 (Eng)

[PROBLEM OF MYOCARDIAL INFARCT IN PATIENTS WITH DIABETES] Panos J, Pejchl S *Vnitř Lek* 21: 778-83, Aug 75 (Cze)

CONTROL OF VENTRICULAR ARRHYTHMIAS DURING MYOCARDIAL INFARCTION BY ANTILIPOLYTIC TREATMENT USING A NICOTINIC-ACID ANALOGUE. Rowe MJ, Neilson JM, Oliver MF *Lancet* 1: 295-300, 8 Feb 75 (Eng)

RISK FACTORS FOR MYOCARDIAL INFARCTION AND DEATH DUE TO ISCHEMIC HEART DISEASE AND OTHER CAUSES. Tibblin G, Wilhelmsen L, Werkö L *Am J Cardiol* 35: 514-22, Apr 75 (Eng)

MYOCARDIAL INFARCTION, ACUTE

EDITORIAL: FREE FATTY ACIDS AND ARRHYTHMIAS AFTER ACUTE MYOCARDIAL INFARCTION. Anonymous *Lancet* 1: 313-4, 8 Feb 75 (Eng)

MYOCARDIAL INFARCTION, DOG

[ACTIVITY OF THE KALLIKREIN-KININ SYSTEM IN EXPERIMENTAL MYOCARDIAL INFARCT IN DOGS AND THE EFFECT OF CATECHOLAMINES] Stukalova TI, Lazareva SA, Ternovaia LA *Vopr Med Khim* 21: 88-91, Jan-Feb 75 (Rus)

MYOCARDIAL METABOLISM

MYOCARDIAL METABOLISM DURING PENTOBARBITAL ANESTHESIA IN DOGS. Durham BC, Miller HI *Anesthesiology* 42: 464-70, Apr 75 (Eng)

MYOCARDIUM, ANOXIC

DIABETES AND THE SURVIVAL AND RECOVERY OF THE ANOXIC MYOCARDIUM. Hearse DJ, Stewart DA, Chain EB *J Mol Cell Cardiol* 7: 397-415, Jun 75 (Eng)

Diabetes Literature—Keyword Index

NEUROSPORA CRASSA

MYOCARDIUM, CANINE

GLYCOGEN METABOLISM AND THE EFFECT OF NITROGLYCERIN ON THE GLYCOGEN METABOLISM IN THE NORMAL AND ISCHEMIC CANINE MYOCARDIUM. Ichihara K, Abiko Y *Experientia* 31: 477-9, 15 Apr 75 (Eng)

MYOCLONUS EPILEPSY

FINDINGS IN ROUTINE LABORATORY EXAMINATION IN PROGRESSIVE MYOCLONUS EPILEPSY. Koskiniemi M *Acta Neurol Scand* 51: 12-20, Jan 75 (Eng)

MYOPATHY

MYOPATHIES RELATED TO DIABETES MELITUS AND OTHER METABOLIC DISEASES. Zacks SI *Ann Clin Lab Sci* 5: 248-51, Jul-Aug 75 (Eng)

NAD

SEE NICOTINAMIDE ADENINE DINUCLEOTIDE

NADH

SEE NICOTINAMIDE ADENINE DINUCLEOTIDE

NECROTISING EXTERNAL OTITIS

[TO THE DIFFERENTIAL DIAGNOSIS OF CRANIAL NERVE LESIONS: THE PROGRESSIVE NECROTISING EXTERNAL OTITIS (AUTHORS TRANSL)] Draf W, Regli F *J Neurol* 210: 219-26, 22 Sep 75 (Ger)

NEONATAL

[NEONATAL LACTIC ACIDOSIS AND HYPOGLYCEMIA DUE TO A CONGENITAL HEPATIC FRUCTOSE-1,6-DIPHOSPHATASE DEFICIENCY] Retbi JM, Gabilan JC, Marsac C *Arch Fr Pediatr* 32: 367-80, Apr 75 (Fre)

NEONATAL CHICK

THE PANCREATIC INSULIN CONTENT AND ITS RELATIONSHIP TO PLASMA GLUCOSE AND FREE FATTY ACID CONCENTRATIONS IN THE EMBRYO AND NEONATAL CHICK. Langslow DR *Br Poult Sci* 16: 329-33, Jul 75 (Eng)

NEONATAL RAT

DECREASED CYCLIC AMP AND INSULIN RESPONSE TO GLUCOSE IN ISOLATED ISLETS OF NEONATAL RATS. Grill V, Asplund K, Hellerstrom C, Cerasi E *Diabetes* 24: 746-52, Aug 75 (Eng)

NEONATE

[MORPHOLOGICAL AND HISTOCHEMICAL ANALYSIS OF ELEMENTS OF THE PLACENTAL BARRIER IN FULL-TERM NEONATE HYPOTROPHY (AUTHORS TRANSL)] Kolodziejczyk JW *Probl Med Wieku Rozwoj* 3: 133-63, 1973 (Pol)

GROWTH HORMONE AND CORTISOL IN NEONATES DURING PHOTOTHERAPY. von Muhlendahl KE, Ballowitz I, Z Kinderheilkd 119: 53-8, 1975 (Eng)

NEPHROPATHY, DIABETIC

MAINTENANCE DIALYSIS FOR DIABETIC NEPHROPATHY WITH UREMIA. Huang C, del Greco F, Ivanovich P, Krumlovsky FA,

Roguska J, Simon NM, Hano J *J Chronic Dis* 28: 365-74, Aug 75 (Eng)

END-STAGE DIABETIC NEPHROPATHY. INTRODUCTION TO THE SYMPOSIUM. Anonymous *Kidney Int [Suppl]* 1, Oct 74 (Eng)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: TECHNICAL ASPECTS OF DIALYSIS. Anonymous *Kidney Int [Suppl]* 115-28, Oct 74 (Eng)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: PROBLEMS IN TRANSPLANTATION. Anonymous *Kidney Int [Suppl]* 133-40, Oct 74 (Eng)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: PSYCHOSOCIAL PROBLEMS. Anonymous *Kidney Int [Suppl]* 159-63, Oct 74 (Eng)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: GENERAL TOPICS AND SUMMARY. Anonymous *Kidney Int [Suppl]* 179-86, Oct 74 (Eng)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: THE PROBLEM OF END-STAGE DIABETIC NEPHROPATHY. Anonymous *Kidney Int [Suppl]* 21-6, Oct 74 (Eng)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: VASCULAR AND VISUAL COMPLICATIONS. Anonymous *Kidney Int [Suppl]* 41-6, Oct 74 (Eng)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: METABOLIC COMPLICATIONS. Anonymous *Kidney Int [Suppl]* 73-6, Oct 74 (Eng)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: NEUROLOGIC COMPLICATIONS. Anonymous *Kidney Int [Suppl]* 95-9, Oct 74 (Eng)

SPONTANEOUS REMISSION OF THE NEPHROTIC SYNDROME IN DIABETIC NEPHROPATHY. Pabico RC, Panner BJ, McKenna BA, Freeman RB *Am J Med* 59: 434-43, Sep 75 (Eng)

NEPHROTIC SYNDROME

SPONTANEOUS REMISSION OF THE NEPHROTIC SYNDROME IN DIABETIC NEPHROPATHY. Pabico RC, Panner BJ, McKenna BA, Freeman RB *Am J Med* 59: 434-43, Sep 75 (Eng)

NERVE

AXONAL FLOW AND FAST TRANSPORT IN NERVES. Heslop JP *Adv Comp Physiol Biochem* 6: 75-163, 1975 (Eng) [428]

NERVE, CRANIAL

[TO THE DIFFERENTIAL DIAGNOSIS OF CRANIAL NERVE LESIONS: THE PROGRESSIVE NECROTISING EXTERNAL OTITIS (AUTHORS TRANSL)] Draf W, Regli F *J Neurol* 210: 219-26, 22 Sep 75 (Ger)

NERVOUS SYSTEM, PERIPHERAL

[CHANGES OF THE SOMATIC PERIPHERAL NERVOUS SYSTEM IN DIABETES MELITUS] Lekishvili VP, Gogibedashvili NV, Khoshtaria NK *Sov Med* 136-7, Jun 75 (Rus)

NEUROCHEMICAL CORRELATE

NEUROCHEMICAL CORRELATES OF ALLOXAN DIABETES: I. RIBONUCLEIC ACID AND PROTEIN LEVELS OF AMPHIBIAN BRAIN. Nayeemunnisa *Experientia* 31: 942-3, 15 Aug 75 (Eng)

NEUROGENIC DEAFNESS

[THE OCCURRENCE OF DIABETES MELITUS, DIABETES INSIPIDUS, OPTIC ATROPHY AND NEUROGENIC DEAFNESS IN ONE PATIENT (AUTHORS TRANSL)] Foerster K, Spranger J, Beyer J, Regli F *J Neurol* 210: 71-6, 4 Aug 75 (Ger)

NEUROINTERMEDIATE LOBE, RAT

EFFECT OF DIBUTYRYL CYCLIC AMP ON THE RELEASE OF MELANOCYTE-STIMULATING HORMONE FROM RAT NEUROINTERMEDIATE LOBES IN VITRO. Baker RJ *J Endocrinol* 63: 533-8, Dec 74 (Eng)

NEUROLEPTIC INDUCED DEFICIT

NEUROLEPTIC-INDUCED DEFICITS IN FOOD AND WATER REGULATION: SIMILARITIES TO THE LATERAL HYPOTHALAMIC SYNDROME. Zis AP, Fibiger HC *Psychopharmacologia* 43: 63-8, 23 Jul 75 (Eng)

NEUROLOGIC COMPLICATION

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: NEUROLOGIC COMPLICATIONS. Anonymous *Kidney Int [Suppl]* 95-9, Oct 74 (Eng)

NEURONAL LOBE

[ELECTRON MICROSCOPIC CHANGES IN RAT HYPOPHYSIS FOLLOWING ADRENALECTOMY AND ACTH ADMINISTRATION. II. NEURONAL LOBE OF THE HYPOPHYSIS] Danielewicz-Kotowicz A *Neuropatol Pol* 13: 49-59, Jan-Mar 75 (Pol)

NEURONAL STORAGE

THE ADRENAL MEDULLA: A MODEL FOR STUDIES OF HORMONAL AND NEURONAL STORAGE AND RELEASE MECHANISMS. Helle KB, Serck-Hanssen G *Mol Cell Biochem* 6: 127-46, 28 Feb 75 (Eng) [118]

NEUROPATHY

NEUROPATHY, RETINOPATHY AND BIOPSY FINDINGS IN TRANSPLANTED KIDNEY IN DIABETIC PATIENTS. Barbosa J, Burke B, Buselmeier TJ, Carpenter AM, Goetz FC, Harris J, Kennedy WR, Kjellstrand CM, Michael AF, Najarian JS, Recker L *Kidney Int [Suppl]* 32-6, Oct 74 (Eng)

NEUROPATHY IN LONG-STANDING INSULIN-DEPENDENT DIABETIC PATIENTS. Elleberg M *Kidney Int [Suppl]* 77-85, Oct 74 (Eng) [29]

NEUROPATHY IN DIALYZED DIABETIC PATIENTS. Blegg CR, Tenckhoff H, Scribner BH *Kidney Int [Suppl]* 86-9, Oct 74 (Eng)

NEUROPATHY IN TRANSPLANTED DIABETIC PATIENTS. Wilson RE, Goldman MH, Yen MC, Kassissieh SD, Strom T, Kahn CB *Kidney Int [Suppl]* 90-4, Oct 74 (Eng)

NEUROSPORA CRASSA

EFFECTS OF RIBONUCLEASE A ON AMINO ACID TRANSPORT IN NEUROSPORA CRASSA. Stuart WD, Woodward DO *J Bacteriol* 122: 41-6, Apr 75 (Eng)

THE MECHANISM OF ARSENATE INHIBITION OF THE GLUCOSE ACTIVE TRANSPORT SYSTEM IN NEUROSPORA CRASSA. Scarborough GA *Arch Biochem Biophys* 166: 245-50, Jan 75 (Eng)

GLUCOSE TRANSPORT-DEFICIENT MUTANT OF NEUROSPORA CRASSA WITH AN UNUSUAL RHYTHMIC GROWTH PATTERN.

Diabetes Literature—Keyword Index

NEUTRAL MUTATION

Halaban R *J Bacteriol* 121: 1056-63, Mar 75 (Eng)

NEUTRAL MUTATION

IS THE EVOLUTION OF INSULIN DARWINIAN OR DUE TO SELECTIVELY NEUTRAL MUTATION Blundell TL, Wood SP *Nature* 257: 197-203, 18 Sep 75 (Eng)

NEWBORN

CARBOHYDRATE METABOLISM IN PREGNANCY. PART II. RELATION BETWEEN MATERNAL GLUCOSE TOLERANCE AND GLUCOSE METABOLISM IN THE NEWBORN. Anonymous *Br Med J* 3: 402-4, 16 Aug 75 (Eng)

[THE TECHNIC OF INFUSION TREATMENT AND PARENTERAL FEEDING IN NEWBORNS AND INFANTS] Dangel P *Infusionstherapie* 2: 34-43, Feb 75 (Ger)

NEWBORN INFANT

[RENAL VEIN THROMBOSIS IN THE NEWBORN INFANT. Demarquez JL, Tavernier J, Babin JP, de Cacqueray C, Auzeur J, Allain D, Martin C *Arch Fr Pediatr* 32: 381-92, Apr 75 (Fre)

NEWBORN INFANT, HUMAN

THE EFFECT OF ORAL ALANINE ON BLOOD GLUCOSE AND GLUCAGON IN THE HUMAN NEWBORN INFANT. Fiser RH, Williams PR, Fisher DA, DeLameter PV, Sperling MA, Oh W *Pediatrics* 56: 78-81, Jul 75 (Eng)

NEWBORN RAT

[EFFECT OF INSULIN AND DIABETES ON NON-ESTERIFIED FATTY ACID PLASMA LEVELS IN FETUS AND NEWBORN RAT] Picon L, Irondelle MM, Prudont G *C R Acad Sci [D] (Paris)* 279: 2067-9, 23 Dec 74 (Fre)

PLASMA AMINO ACID LEVELS AND DEVELOPMENT OF HEPATIC GLUCONEOGENESIS IN THE NEWBORN RAT. Girard JR, Guillot I, Marty J, Marliiss EB *Am J Physiol* 229: 466-73, Aug 75 (Eng)

NICOTINAMIDE ADENINE DINUCLEOTIDE

[NADP- AND NAD-MALATE DEHYDROGENASE IN THE LIVER AND RENAL CORTX AND HORMONAL REGULATION OF ITS ACTIVITY] Tsoncheva AV *Eksp Med Morfol* 13: 89-95, 1974 (Bul)

[EFFECT OF LIPIDS ON LIVER MICROSOMAL MEMBRANES. (1) STUDIES OF A RELATIONSHIP BETWEEN DELIPIDATION OF LIVER MICROSOMES WITH THE VARIOUS ORGANIC SOLVENTS AND CYTOCHROME C REDUCTASE ACTIVITY LINKED TO REDUCED NICOTINAMIDE ADENINE DINUCLEOTIDE (AUTHORS TRANSL)] Ozaki S *Hokkaido J Med Sci* 49: 326-36, Jul 74 (Jpn)

RELATION BETWEEN REDUCED NICOTINAMIDE ADENINE DINUCLEOTIDE OXIDATION AND AMINO ACID TRANSPORT IN MEMBRANE VESICLES FROM BACILLUS SUBTILIS. Bisschop A, de Jong L, Lima Costa ME, Konings WN *J Bacteriol* 121: 807-13, Mar 75 (Eng)

NICOTINAMIDE ADENINE DINUCLEOTIDE PHOSPHATE

[NADP- AND NAD-MALATE DEHYDROGENASE IN THE LIVER AND RENAL CORTX AND HORMONAL REGU-

LATION OF ITS ACTIVITY] Tsoncheva AV *Eksp Med Morfol* 13: 89-95, 1974 (Bul)

EFFECT OF MEAL-FEEDING ON THE DAILY VARIATIONS OF INSULIN, GLUCOSE, AND NADP-LINKED DEHYDROGENASES IN RATS. Kaul I, Berdanier CD *J Nutr* 105: 1132-40, Sep 75 (Eng)

NICOTINE EFFECT

[PROCEEDINGS: EFFECT OF NICOTINE ON GROWTH HORMONE AND PROLACTIN SECRETION IN RATS] Kato Y, Chihara K, Maeda K, Daigo K, Imura H *Folia Endocrinol Jpn* 50: 266, 20 Feb 74 (Jpn)

NICOTINIC ACID

CONTROL OF VENTRICULAR ARRHYTHMIAS DURING MYOCARDIAL INFARCTION BY ANTILIPOLYTIC TREATMENT USING A NICOTINIC-ACID ANALOGUE. Rowe MJ, Neilson JM, Oliver MF *Lancet* 1: 295-300, 8 Feb 75 (Eng)

NICOTINAMIDE ADENINE DINUCLEOTIDE

STIMULATION OF TRANSPORT INTO ESCHERICHIA COLI MEMBRANE VESICLES BY INTERNALLY GENERATED REDUCED NICOTINAMIDE ADENINE DINUCLEOTIDE. Futai M *J Bacteriol* 120: 861-5, Nov 74 (Eng)

NITROGEN METABOLISM, RAT

THE EFFECT OF ESSENTIAL FATTY ACIDS DEFICIENCY ON THE NITROGEN METABOLISM OF RATS. al-Nagdy SA, al-Gauhari AA, el-Sabbagh ME, Elise EA *Comp Biochem Physiol [A]* 47: 835-43, 1 Mar 74 (Eng)

NITROGLYCERIN EFFECT

GLYCOGEN METABOLISM AND THE EFFECT OF NITROGLYCERIN ON THE GLYCOGEN METABOLISM IN THE NORMAL AND ISCHEMIC CANINE MYOCARDIUM. Ichihara K, Abiko Y *Experientia* 31: 477-9, 15 Apr 75 (Eng)

NITROXIDE SPIN PROBE

THE FLUIDITY AND ORGANIZATION OF MITOCHONDRIAL MEMBRANE LIPIDS OF THE BROWN ADIPOSE TISSUE OF COLD-ADAPTED RATS AND HAMSTERS AS DETERMINED BY NITROXIDE SPIN PROBES. Cannon B, Polnaszek CF, Butler KW, Eriksson LE, Smith IC *Arch Biochem Biophys* 167: 505-18, Apr 75 (Eng)

NONDIABETIC

[DEFINITION AND PHYSIOPATHOLOGY OF DIABETIC AND NON-DIABETIC HYPERLIPOPROTEINEMIAS] Jahnke K *Med Welt* 26: 1586-9, 5 Sep 75 (Ger)

NONDIABETIC PATIENT

[THE SPERMIOGRAMS OF DIABETIC AND NONDIABETIC PATIENTS WITH DISTURBANCES OF POTENCY (AUTHORS TRANSL)] Bartak V, Josifko M *Cas Lek Cesk* 114: 724-5, 13 Jun 75 (Cze)

COMPARISON OF THE CAPILLARY BASAL LAMINA WIDTH IN MARGINAL GINGIVA OF DIABETIC AND NON-DIABETIC PATIENTS. Ketcham B, Cobb CM, Denys FR *Ala J Med Sci* 12: 295-301, Jul 75 (Eng)

NONHYPOTHALAMIC-NONPITUITARY ENDOCRINE DWARFISM

[ENDOCRINE DWARFISM. 3. DIAGNOSIS AND THERAPY OF NONHYPOTHALAMIC-NONPITUITARY ENDOCRINE DWARFISM] Hesse V *Kinderaerztl Prax* 43: 217-26, May 75 (Ger)

NORADRENALINE

EVIDENCE AGAINST A MEDIATORY ROLE OF BROWN ADIPOSE TISSUE IN THE CALORIGENIC RESPONSE OF COLD-ACCLIMATED RATS TO NORADRENALINE. Foster DO *Can J Physiol Pharmacol* 52: 1051-62, Dec 74 (Eng)

INTRA-AXONAL TRANSPORT OF NORADRENALINE: INHIBITION BY FLUORIDE. Mraz P *Folia Morphol (Praha)* 22: 276-7, 1974 (Eng)

[PLASMA NORADRENALINE AND ADRENALINE, PLASMA RENIN ACTIVITY AND CYCLIC AMP DURING REST PERIOD AND ORTHOSTATIS IN VARIOUS TYPES OF HYPERTENSION] Brecht HM, Musil HA, Vlachoyannis J, Schoeppe W *Verh Dtsch Ges Inn Med* 80: 245-8, 1974 (Ger)

NOREPINEPHRINE

THE CALORIGENIC ACTION OF NOREPINEPHRINE IN RATS AFTER HYPOPHYSECTOMY. Muller D, Kersten L, Ankermann H *Experientia* 31: 343-4, 15 Mar 75 (Eng)

NOREPINEPHRINE CONCENTRATION IN HEART MUSCLE AND HYPOTHALAMUS DURING ACIDOSIS IN THE RAT. Szarpati P, Preda I, Endrooczi E *Acta Physiol Acad Sci Hung* 43: 315-20, 1973 (Eng)

NOREPINEPHRINE RESPONSE

[RESPONSES TO EXOGENOUS NOREPINEPHRINE IN RATS REARED IN COLD FOR SUCCESSIVE GENERATIONS, WITH SPECIAL REFERENCE TO CHANGES IN METABOLITES IN THE BLOOD (AUTHORS TRANSL)] Moriya K, Maekubo H, Ito S *Hokkaido J Med Sci* 49: 98-102, Mar 74 (Jpn)

NSILA-S

SEE INSULIN LIKE ACTIVITY, NONSUPPRESSIBLE

NUCLEIC ACID

[EFFECT OF INSULIN ON THE NUCLEIC ACID LEVELS IN THE BLOOD OF PATIENTS WITH DIABETES MELLITUS] Franchuk MM *Ter Arkh* 47: 132-4, 1975 (Rus)

NUCLEOTIDE

MULTIPLE INHIBITORY AND ACTIVATING EFFECTS OF NUCLEOTIDES AND MAGNESIUM ON ADRENAL ADENYLATE CYCLASE. Londres C, Rodbell M *J Biol Chem* 250: 3459-65, 10 May 75 (Eng)

NUTRIENT

EFFECT OF HIGH AMBIENT TEMPERATURE AND LOW HUMIDITY ON NUTRIENT UTILIZATION AND ON SOME PHYSIOLOGICAL RESPONSES IN AWASI SHEEP FED DIFFERENT LEVELS OF ROUGHAGE. Bhattacharya AN, Uwayjan M *J Anim Sci* 40: 320-8, Feb 75 (Eng)

Diabetes Literature—Keyword Index

ORAL GLUCOSE

NUTRIENT REQUIREMENT

PARENTERAL NUTRITION: PRINCIPLES, NUTRIENT REQUIREMENTS, AND TECHNIQUES. Meng HC *Geriatrics* 30: 97-102, 107, Sep 75 (Eng)

NUTRITION

[STUDIES ON THE EFFECT OF MODE OF NUTRITION ON SOMATIC DEVELOPMENT OF INFANTS. COMMUNICATION II. DEVELOPMENT OF SUBCUTANEOUS FATTY TISSUE IN INFANTS (AUTHORS TRANSL.)] Gornicki B, Dzieniszewska-Klepcka L, Litwin E *Probl Med Wieku Rozwoj* 2: 27-43, 1972 (Pol)

NUTRITION, PARENTERAL

PARENTERAL NUTRITION: PRINCIPLES, NUTRIENT REQUIREMENTS, AND TECHNIQUES. Meng HC *Geriatrics* 30: 97-102, 107, Sep 75 (Eng)

NUTRITION, TRANS-ALVEOLAR

A SPOONFUL OF SUGAR - TRANS-ALVEOLAR NUTRITION. Hewson JR, Holland AJ *Can Anaesth Soc J* 22: 539-46, Sep 75 (Eng)

NUTRITIONAL FACTOR

[STUDIES UPON THE EFFECT OF AGE AND NUTRITIONAL FACTORS ON LIPID AND PROTEIN METABOLISM IN INFANTS (AUTHORS TRANSL.)] Gornicki B, Litwin E, Krukowa A, Kleczkowska H, Rodkiewicz B, Kowalczyk Z, Dzieniszewska L, Wachnik Z, Symonowicz H *Probl Med Wieku Rozwoj* 1: 33-70, 1972 (Pol)

NYCTOHEMERAL RHYTHM

THE NYCTOHEMERAL RHYTHM OF PLASMA PROLACTIN: EFFECTS OF GANGLIONECTOMY, PINEALECTOMY, CONSTANT LIGHT, CONSTANT DARKNESS OR 6-OH-DOPAMINE ADMINISTRATION. Kizer JS, Zivins JA, Jacobowitz DM, Kopin IJ *Endocrinology* 96: 1230-40, May 75 (Eng)

OBESE

EFFECT OF PHYSICAL EXERCISE ON SECRETION OF GROWTH HORMONE, GLUCAGON, AND CORTISOL IN OBESE AND DIABETIC CHILDREN. Garlaschi C, di Natale B, del Guercio MJ, Caccamo A, Gargantini L, Chiumello G *Diabetes* 24: 758-61, Aug 75 (Eng)

UNDER-RESPONSIVENESS OF GROWTH HORMONE SECRETION AFTER L-DOPA AND DEEP SLEEP STIMULATION IN OBESE SUBJECTS. Laurian L, Oberman Z, Ayalon D, Cordova T, Herzberg M, Horer E, Harell A *Isr J Med Sci* 11: 482-7, May 75 (Eng)

SYMPOSIUM I: HORMONE-FUEL INTERACTIONS IN NORMAL AND DIABETIC MAN. THE LIVER AS SITE OF INSULIN AND GLUCAGON ACTION IN NORMAL, DIABETIC AND OBESE HUMANS. Felig P, Wahren J *Isr J Med Sci* 11: 528-39, Jun 75 (Eng) [55]

KETONE BODY METABOLISM IN NORMAL, OBESE AND DIABETIC SUBJECTS. Owen OE, Reichard GA Jr *Isr J Med Sci* 11: 560-70, Jun 75 (Eng)

[MODERN THERAPY OF DIABETES MELLITUS IN OBESE PATIENTS] Liashko KIA, Severova TM, Peregodov Ala, Sergeev OI *Sov Med* 106-10, Jun 75 (Rus)

INFLUENCE OF A SPECIAL CAMP PROGRAM FOR OBESE BOYS ON WEIGHT LOSS, SELF-CONCEPT, AND BODY IMAGE. Rohrbacher R

Res Q Am Assoc Health Phys Educ 44: 150-7, May 73 (Eng)

CHANGES IN PLASMA CORTISOL, GLUCOSE AND FREE FATTY ACIDS AFTER CAFFEINE INGESTION IN OBESE WOMEN. Oberman Z, Herzberg M, Jaskolka H, Harell A, Hoerer E, Laurian L *Isr J Med Sci* 11: 33-6, Jan 75 (Eng)

OBESE HYPERGLYCEMIC MOUSE

INSULIN RECEPTORS IN THE HEART MUSCLE. DEMONSTRATION OF SPECIFIC BINDING SITES AND IMPAIRMENT OF INSULIN BINDING IN THE PLASMA MEMBRANE OF THE OBESE HYPERGLYCEMIC MOUSE. Fargue ME, Freychet P *Diabetes* 24: 715-23, Aug 75 (Eng)

METABOLIC ANOMALIES OF THE OBESE-HYPERGLYCEMIC (OB/OB) MICE OF BAR HARBOR. Jeanrenaud B, Assimacopoulos-Jeanet F, Loten EG, Karakash C, Le Marchand Y *Isr J Med Sci* 11: 723-9, Jul 75 (Eng)

OBESE RAT FATTY

EFFICIENCY OF ENERGY UTILIZATION BY THE ZUCKER HEREDITARILY OBESE RAT FATTY (38569). Zucker LM *Proc Soc Exp Biol Med* 148: 498-500, Feb 75 (Eng)

OBEITY

ERYTHROCYTE 2,3-DIPHOSPHOGLYCERATE AS RELATED TO DIABETES AND OBEITY. Kalofoutis A, Jullien G, Koutselinis A, Miras C *Clin Chem* 21: 1414-5, Sep 75 (Eng)

CLINICAL EXPERIENCES ON THERAPEUTIC MEASURES OF OBEITY. Strata A, Zuliani U, Cucurachi L, Dellanna A *G Clin Med* 55: 718-31, Oct 74 (Eng)

EDITORIAL: CURRENT UNDERSTANDING OF PATHOGENESIS OF OBEITY. Fisher RH Jr, Fisher DA *South Med J* 68: 931-3, Aug 75 (Eng)

[SIGNIFICANCE OF THE OBEITY RISK FACTOR IN OLD AGE] Ries W Z *Alternforsch* 28: 145-52, 1974 (Ger)

PROSTAGLANDINS AND OBEITY. Curtis-Prior PB *Lancet* 1: 897-9, 19 Apr 75 (Eng)

[PSYCHOLOGIC AND METABOLIC FACTORS IN THE GENESIS OF OBEITY. 2.] Ruedi B Z *Krankenpf* 67: 450-2, 468, Dec 74 (Fre)

[ETIOLOGY OF OBEITY] Romero Velasco DE *An R Acad Nacl Med (Madr)* 91: 649-62, 1974 (Spa)

[PROCEEDINGS: TSH RESPONSE IN TRH LOADING TEST IN PATIENTS WITH OBEITY. 2. A COMPARISON WITH THIN PATIENTS] Suzuki A, Kato T, Maruyama H, Suzuki H, Takabayashi Y *Folia Endocrinol Jpn* 50: 111, 20 Feb 74 (Jpn)

[FUNCTIONAL STATE OF THE THYROID GLAND IN ESSENTIAL OBEITY] Dronova NE *Probl Endocrinol (Mosk)* 20: 42-6, May-Jun 74 (Rus)

OBEITY, ACQUIRED

INSULIN RECEPTOR DEFICIENCY IN GENETIC AND ACQUIRED OBEITY. Soli AH, Kahn CR, Neville DM Jr, Roth J J *Clin Invest* 56: 769-80, Oct 75 (Eng)

OBEITY, CHILDHOOD

LETTER: FAT CELLS IN CHILDHOOD OBEITY. Anonymous *Lancet* 1: 224, 25 Jan 75 (Eng)

OBEITY, GENETIC

INSULIN RECEPTOR DEFICIENCY IN GENETIC AND ACQUIRED OBEITY. Soli

AH, Kahn CR, Neville DM Jr, Roth J J *Clin Invest* 56: 769-80, Oct 75 (Eng)

OCTANOATE EFFECT

REGULATION OF PYRUVATE DEHYDROGENASE IN ISOLATED RAT LIVER MITOCHONDRIA. EFFECTS OF OCTANOATE, OXIDATION-REDUCTION STATE, AND ADENOSINE TRIPHOSPHATE TO ADENOSINE DIPHOSPHATE RATIO. Taylor SI, Mukherjee C, Jungas RL *J Biol Chem* 250: 2028-35, 25 Mar 75 (Eng)

OCULAR BOBBING

AN ELECTRO-OCULOGRAPHIC STUDY OF OCULAR BOBBING AND INTERMITTENT VERTICAL OSCILLATIONS OCCURRING IN THE SAME PATIENT. Nakanishi T, Inoue K, Shimada Y, Toyokura Y *J Neurol* 210: 161-6, 22 Sep 75 (Eng)

OLD AGE

[SIGNIFICANCE OF THE OBEITY RISK FACTOR IN OLD AGE] Ries W Z *Alternforsch* 28: 145-52, 1974 (Ger)

OLIGOMYCIN

THE MECHANISM OF INHIBITION BY OLIGOMYCIN OF OXIDATIVE PHOSPHORYLATION IN MITOCHONDRIA. Bertina RM, Steenstra JA, Slater EC *Biochim Biophys Acta* 368: 279-97, 19 Dec 74 (Eng)

OLIGOSACCHARIDE

THE PARTICIPATION OF LIPID-LINKED OLIGOSACCHARIDE IN SYNTHESIS OF MEMBRANE GLYCOPROTEINS. Lucas JJ, Waechter J, Lennarz WJ *J Biol Chem* 250: 1992-2002, 25 Mar 75 (Eng)

ONTOGENESIS

[DYNAMICS OF CARBOHYDRATE METABOLISM IN THE HEART MUSCLE IN EARLY ONTOGENESIS] Meerson FZ, Laronov NP, Krotenko NM *Kardiologia* 15: 107-13, Jan 75 (Rus)

OPTIC ATROPHY

[THE OCCURRENCE OF DIABETES MELLITUS, DIABETES INSIPIDUS, OPTIC ATROPHY AND NEUROGENIC DEAFNESS IN ONE PATIENT (AUTHORS TRANSL.)] Foerster K, Spranger J, Beyer J, Regli F *J Neurol* 210: 71-6, 4 Aug 75 (Ger)

ORAL AGENT

LETTER: ORAL AGENTS FOR DIABETES. Fisher AM *Can Med Assoc J* 113: 364, 6 Sep 75 (Eng)

ORAL CONTRACEPTION

CHANGES IN CARBOHYDRATE TOLERANCE DURING LONG-TERM ORAL CONTRACEPTION. Posner NA, Silverstone FA, Tobin EH, Breuer J *Am J Obstet Gynecol* 123: 119-27, 15 Sep 75 (Eng)

ORAL GLUCOSE

INTERRELATIONS OF GLUCOSE, INSULIN AND GLUCAGON AFTER OVERNIGHT FAST AND IN RESPONSE TO ORAL GLUCOSE DURING LATE PREGNANCY. Nitzan M, Freinkel N, Metzger BE, Unger RH, Faloon GR, Daniel RR *Isr J Med Sci* 11: 617-22, Jun 75 (Eng)

Diabetes Literature—Keyword Index

ORAL GLUCOSE LOAD

ORAL GLUCOSE LOAD

A NEW CONCEPT FOR THE EVALUATION OF THE BLOOD GLUCOSE AND INSULIN RESPONSES OF HEALTH SUBJECTS FOLLOWING AN ORAL GLUCOSE LOAD. Szabo O, Oppermann W, Victor C, Camerini-Davalos RA *Acta Diabetol Lat* 11: 265-76, Jul-Aug 74 (Eng)

ORAL HYPOGLYCEMIC AGENT

LETTER: ORAL HYPOGLYCAEMIC AGENTS IN DIABETES MELLITUS. Grimes DS *Lancet* 2: 616, 27 Sep 75 (Eng)

ORAL MEDICINE

GENERAL DENTISTRY AND ORAL MEDICINE IN THE HOSPITAL. Greenberg MS *Dent Clin North Am* 19: 643-56, Oct 75 (Eng)

ORAL PH

[MEASUREMENT OF ORAL PH, A CLINICAL TEST IN CURRENT PRACTICE. DIAGNOSTIC SIGNIFICANCE] Laudenbach P, Boumaza M, El-Nabbout S, Khanh-Trinh *Actual Odontostomatol (Paris)* 715-25, Dec 74 (Fre)

ORGAN

[THE ROLE OF THE ADRENORECEPTORS IN SEVERAL ORGANS IN REGULATING CARBOHYDRATE AND LIPID METABOLISM] Henes SH, Poltorak VV *Fiziol Zh* 20: 831-40, Nov-Dec 74 (Ukr) [126]

ORGAN CULTURE

EFFECT OF GLUCOSE AND ANTI-INSULIN SERUM ON INSULIN RELEASED FROM ADULT RAT ISOLATED ISLETS OF LANGERHANS IN LONG-TERM ORGAN CULTURE (FOURTEEN DAYS). Turcot-Lemay L, Lacy PE *Diabetes* 24: 658-63, Jul 75 (Eng)

INSULIN AND HYDROCORTISONE EFFECTS ON VIABILITY AND GLYCOGEN STORES OF POSTNATAL RAT LIVER ORGAN CULTURE. Reed GB, Grisham JW *Lab Invest* 33: 298-304, Sep 75 (Eng)

ORGANIC DISEASE

IMPOTENCE AS A CONSEQUENCE OF ORGANIC DISEASE. Kent S *Geriatrics* 30: 155, 157, Sep 75 (Eng)

ORTHOSTASIS

[PLASMA NORADRENALINE AND ADRENALINE, PLASMA RENIN ACTIVITY AND CYCLIC AMP DURING REST PERIOD AND ORTHOSTATIS IN VARIOUS TYPES OF HYPERTENSION] Brecht HM, Musil HA, Vlachoyannis J, Schoeppe W *Verh Dtsch Ges Inn Med* 80: 245-8, 1974 (Ger)

OSCILLATION

AN ELECTRO-OCULOGRAPHIC STUDY OF OCULAR BOBBING AND INTERMITTENT VERTICAL OSCILLATIONS OCCURRING IN THE SAME PATIENT. Nakanishi T, Inoue K, Shimada Y, Toyokura Y *J Neurol* 210: 161-6, 22 Sep 75 (Eng)

OSTEOMYELITIS

CURRENT CONCEPTS IN THE TREATMENT OF OSTEOMYELITIS. Medoff G *Postgrad Med* 58: 157-61, Sep 75 (Eng)

OVULATION INHIBITOR

[INFLUENCE OF OVULATION INHIBITORS ON GLUCOSE METABOLISM] Hausmann L, Kafarnik H *Dtsch Med Wochenschr* 100: 1703-9, 22 Aug 75 (Ger) [59]

OXIDATION

THE MITOCHONDRION AND BIOLOGIC OXIDATIONS. Nahrwold ML, Cohen PJ *Clin Anesth* 11: 1-23, 1975 (Eng) [73]

PHOSPHATE TRANSPORT ACROSS THE MITOCHONDRIAL MEMBRANE: THE INFLUENCE OF THIOL OXIDATION AND OF MG&& ON INHIBITION BY MERCURIALS. Siliprandi D, Toninello A, Zoccarato F, Bindoli A *FEBS Lett* 51: 15-7, 1 Mar 75 (Eng)

UPTAKE, OXIDATION, AND ESTERIFICATION OF FREE FATTY ACIDS IN NORMAL AND ATHEROSCLEROTIC RABBIT AORTA. Morrison ES, Scott RF, Kroms M, Frick J *Biochem Med* 11: 153-64, Oct 74 (Eng)

OXIDATION OF 14C-LABELED SUBSTRATES BY DOG KIDNEY CORTEX AT 10 AND 38 DEGREES C. Huang JS, Downes GL, Childress GL, Felts JM, Belzer FO *Cryobiology* 11: 387-94, Oct 74 (Eng)

RELATION BETWEEN REDUCED NICOTINAMIDE ADENINE DINUCLEOTIDE OXIDATION AND AMINO ACID TRANSPORT IN MEMBRANE VESICLES FROM BACILLUS SUBTILIS. Bisschop A, de Jong L, Lima Costa ME, Konings WN *J Bacteriol* 121: 807-13, Mar 75 (Eng)

OXIDATION REDUCTION

REGULATION OF PYRUVATE DEHYDROGENASE IN ISOLATED RAT LIVER MITOCHONDRIA. EFFECTS OF OCTANOATE, OXIDATION-REDUCTION STATE, AND ADENOSINE TRIPHOSPHATE TO ADENOSINE DIPHOSPHATE RATIO. Taylor SI, Mukherjee C, Jungas RL *J Biol Chem* 250: 2028-35, 25 Mar 75 (Eng)

OXIDATIVE PHOSPHORYLATION

THE RAPID LABELING OF ADENOSINE TRIPHOSPHATE BY 32P-LABELED INORGANIC PHOSPHATE AND THE EXCHANGE OF PHOSPHATE OXYGENS AS RELATED TO CONFORMATIONAL COUPLING IN OXIDATIVE PHOSPHORYLATION. Cross RL, Boyer PD *Biochemistry* 14: 392-8, 28 Jan 75 (Eng)

THE MECHANISM OF INHIBITION BY OLIGOMYCIN OF OXIDATIVE PHOSPHORYLATION IN MITOCHONDRIA. Bertina RM, Steenstra JA, Slater EC *Biochim Biophys Acta* 368: 279-97, 19 Dec 74 (Eng)

[OXIDATIVE PHOSPHORYLATION IN THE ISOLATED MITOCHONDRIA OF HUMAN LYMPHOCYTES] Cherniak NB, Chernova MK, Timofeeva LM, Talcenova NN *Vopr Med Khim* 20: 43-9, Jan-Feb 74 (Rus)

OXYGEN

[THE UPTAKE OF OXYGEN AND GLUCOSE BY THE GINGIVA IN DIABETES MELLITUS WITH VARIOUS FORMS OF PERIODONTAL DISEASES] Fett KD, Hommel H, Fischer U *Stomatol DDR* 25: 267-72, Apr 75 (Ger)

OXYGEN CARRIER

SYNTHESIS OF SERUM ALBUMIN IN ISOLATED RAT LIVER PERFUSED BY A SYNTHETIC MEDIUM WITH FLUOROCARBON FC-80 EMULSION AS OXYGEN CARRIER. Novakova V, Birke G, Plantin LO *Acta Physiol Scand* 92: 289-302, Nov 74 (Eng)

OXYGEN CONSUMPTION

PROCEEDINGS: THE EFFECTS OF CAFFEINE AND CARNITINE ON THE OXYGEN CONSUMPTION OF FED AND FASTED SUBJECTS. Miller DS, Stock MJ, Stuart JA *Proc Nutr Soc* 33: 28a-29a, Sep 74 (Eng)

OXYGEN, PHOSPHATE

THE RAPID LABELING OF ADENOSINE TRIPHOSPHATE BY 32P-LABELED INORGANIC PHOSPHATE AND THE EXCHANGE OF PHOSPHATE OXYGENS AS RELATED TO CONFORMATIONAL COUPLING IN OXIDATIVE PHOSPHORYLATION. Cross RL, Boyer PD *Biochemistry* 14: 392-8, 28 Jan 75 (Eng)

OXYTOCIN CHALLENGE TEST

CAN THE OXYTOCIN CHALLENGE TEST SERVE AS THE PRIMARY METHOD FOR MANAGING HIGH-RISK PREGNANCIES. Hayden BL, Simpson JL, Ewing DE, Otterson WN *Obstet Gynecol* 46: 251-4, Sep 75 (Eng)

PACHYDERMOPERIOSTOSIS

[ACROMEGALY ASSOCIATED WITH PACHYDERMOPERIOSTOSIS] Chini V *Minerva Med* 66: 2717-28, 29 Aug 75 (Ita)

PALMITATE-U-14C

SUBCELLULAR DISTRIBUTION AND INCORPORATION OF PALMITATE-U-14C INTO MYOCARDIAL LIPIDS: ROLE OF ENDOGENOUS AND EXOGENOUS CATECHOLAMINES. Mathur PP, Mokler CM *J Mol Cell Cardiol* 7: 17-26, Jan 75 (Eng)

PANCREAS

GUINEA PIG PROINSULIN. PRIMARY STRUCTURE OF THE C-PEPTIDE ISOLATED FROM PANCREAS. Massey DE, Smyth DG *J Biol Chem* 250: 6288-90, 25 Aug 75 (Eng)

[KARYOMETRIC STUDIES OF THE PANCREAS AND ADRENAL GLANDS OF THE ALBINO-RAT FED AN UNBALANCED GLUCOSE DIET OR A GLUCOSE DIET SUPPLEMENTED WITH THIAMINE] Hildebrand R *Anat Anz* 137: 187-95, 1975 (Ger)

[PANCREATIC TRANSPLANTATION: ENDOCRINE FUNCTION OF THE GRAFTED PANCREAS. CURRENT DATA AND FUTURE PROSPECTS] Eloy R, Jaeck D, Schang JC, Vannareth T, Gillet M, Grenier JF, Moody AJ *Ann Chir* 29: 559-69, Jun 75 (Fre)

[THE PHYSIOLOGY OF THE ISOLATED DOG PANCREAS—THE INFLUENCE OF THE ACTUAL BLOOD GLUCOSE LEVEL ON THE BLOOD CIRCULATION IN THE PANCREAS] Hempfling H, Husemann B *Arzneim Forsch* 25: 916-8, Jun 75 (Ger)

PANCREAS, ALLOGRAFTED CANINE

GLUCAGON AND INSULIN RELEASE FROM THE ALLOGRAFTED CANINE PANCREAS. Brynner H, Claes G, Lernmark A *Eur Surg Res* 7: 170-80, 1975 (Eng)

PANCREAS, DOG

[THE PHYSIOLOGY OF THE ISOLATED DOG PANCREAS—THE INFLUENCE OF THE ACTUAL BLOOD GLUCOSE LEVEL ON THE BLOOD CIRCULATION IN THE PANCREAS] Hempfling H, Husemann B *Arzneim Forsch* 25: 916-8, Jun 75 (Ger)

Diabetes Literature—Keyword Index

PERMEABILITY

PANCREAS, ENDOCRINE

A MORPHOLOGICAL BASIS FOR INTERCELLULAR COMMUNICATION BETWEEN ALPHA- AND BETA-CELLS IN THE ENDOCRINE PANCREAS. Orzi L, Malaisse-Lagae F, Ravazzola M, Rouiller D, Renold AE, Perrelet A, Unger R *J Clin Invest* 56: 1066-70, Oct 75 (Eng)

STUDIES ON THE DEVELOPMENT OF ENDOCRINE GLANDS IN FISHES. III. MORPHOGENESIS OF THE ENDOCRINE PANCREAS IN CLARIAS BATRACHUS L. Bel-sare DK *Z Mikrosk Anat Forsch* 88: 981-6, 1974 (Eng)

HISTOPATHOLOGY OF THE ENDOCRINE PANCREAS OF A FRESH-WATER FISH, CLARIAS BATRACHUS (L.) IX: EFFECT OF THE NEW ANTIDIABETIC DRUG, GLIBENCLAMIDE (HB 419). Bhatt SD *Anat Anz* 137: 138-46, 1975 (Eng)

PANCREAS, FETAL ENDOCRINE

SYMPOSIUM II: FETOMATERNAL UNIT IN DIABETES. CLINICAL AND EXPERIMENTAL ASPECTS. FUNCTION OF THE FETAL ENDOCRINE PANCREAS. Asplund K, Andersson A, Jarrouse C, Hellerstrom C *Isr J Med Sci* 11: 581-90, Jun 75 (Eng) [50]

PANCREAS, MOUSE

ULTRASTRUCTURE OF THE MOUSE PANCREAS AFTER AUROTHIOGLUCOSE ADMINISTRATION. Simkova D, Belak M, Boda K, Kosta K, Dianovska M *Acta Biol Acad Sci Hung* 25: 205-12, 1974 (Eng)

CATABOLISM OF PROINSULIN AND INSULIN. PROTEOLYTIC ACTIVITIES IN LANGERHANS ISLETS OF RAT AND MICE PANCREAS IN VITRO. Zuhlke H, Jahr H, Schmidt S, Gottschling D, Wilke B, Kansy H, Kaleta C, Pieper I *Acta Biol Med Ger* 33: 407-18, 1974 (Eng)

PANCREATECTOMY EFFECT

EFFECT OF PANCREATECTOMY OR ADRENALECTOMY ON THE RESPONSES OF RATS TO MEAL-FEEDING. Kaul L, Berdanier CD *J Nutr* 105: 1176-85, Sep 75 (Eng)

PANCREATIC BETA CELL

THIOSULFATION ALDEHYDE FUCHSIN (TAF) PROCEDURE FOR THE STAINING OF PANCREATIC B CELLS. Bussolati G, Bassa T *Stain Technol* 49: 313-5, Sep 74 (Eng)

PANCREATIC CYST

[PANCREATIC CYSTS] Varola F, Beccaria A, Oliaro A, Sasso D, Villata E, Cirillo R *Minerva Chir* 30: 83-125, 15 Feb 75 (Ita)

PANCREATITIS, ACUTE

[ETIOLOGY, PATHOGENESIS, DIAGNOSIS AND TREATMENT OF ACUTE PANCREATITIS] Sotysiak A *Wiad Lek* 28: 1461-5, 1 Sep 75 (Pol) [0]

EDITORIAL: THE TREATMENT OF ACUTE PANCREATITIS. Trapnell JE *Acta Gastroenterol Belg* 38: 171-81, May-Jun 75 (Eng)

PANCREATITIS, CHRONIC

IMMUNOREACTIVE GLUCAGON RESPONSES TO INTRAVENOUS TOLBUTAMIDE IN CHRONIC PANCREATITIS. Kalk WJ, Vinik AI, Paul M, Leller P, Jackson WP *Diabetes* 24: 851-5, Sep 75 (Eng)

PANCREATODUODENECTOMY

[PROCEEDINGS: EVALUATION OF CARBOHYDRATE METABOLISM OF PATIENTS FOLLOWING PANCREATODUODENECTOMY] Miyata M, Takao T, Sadani M, Manabe H, Uozumi T *Folia Endocrinol Jpn* 50: 206, 20 Feb 74 (Jpn)

PANNICULITIS

FACTITIAL PANNICULITIS AND NECROTIZING FASCITIS IN JUVENILE DIABETES. Oh C, Ginsberg-Fellner F, Dolger H *Diabetes* 24: 856-8, Sep 75 (Eng)

PAPULOSIS, MALIGNANT

EFFECT OF FIBRINOLYTIC TREATMENT IN MALIGNANT ATROPHIC PAPULOSIS. Delaney TJ, Black MM *Br Med J* 3: 415, 16 Aug 75 (Eng)

PARAMETAR, BIOCHEMICAL

BIOCHEMICAL PARAMETERS OF ABNORMAL ENDOMETRIUM. Hughes EC, Csermely TV, Jacobs RD, O'Hern P *Gynecol Oncol* 2: 205-20, Aug 74 (Eng)

PARATHYROID HORMONE

EFFECT OF CHLORPROPAMIDE ON RENAL RESPONSE TO PARATHYROID HORMONE IN NORMAL SUBJECTS AND IN PATIENTS WITH HYPOPARATHYROIDISM AND PSEUDOHYPOPARATHYROIDISM. Coulson R, Moses AM *J Pharmacol Exp Ther* 194: 603-13, Sep 75 (Eng)

MICROTUBULES AND THE INTRACELLULAR CONVERSION OF PROPARATHYROID HORMONE TO PARATHYROID HORMONE. Kemper B, Habener JF, Rich A, Potts JT Jr *Endocrinology* 96: 903-12, Apr 75 (Eng)

ANALYSIS OF THE REQUIREMENTS FOR PARATHYROID HORMONE ACTION IN RENAL MEMBRANES WITH THE USE OF INHIBITING ANALOGUES. Goltzmann D, Peytremann A, Callahan E, Tregear GW, Potts JT Jr *J Biol Chem* 250: 3199-203, 25 Apr 75 (Eng)

PARENTERAL FEEDING

[THE SIGNIFICANCE OF CARBOHYDRATES IN PARENTERAL FEEDING] Forster H, Haslbeck M, Mehnert H *Infusionstherapie* 1: 199-213, Feb 74 (Ger)

[LIPIDS IN PARENTERAL FEEDING] Hartmann G *Infusionstherapie* 1: 516-8, Oct 74 (Ger)

[GLUCOSE IN PARENTERAL FEEDING] Heuckenkamp PU, Zollner N *Infusionstherapie* 1: 565-8, Oct 74 (Ger)

PEDIATRIC PROBLEM

EDITORIALS: ATHEROSCLEROSIS-A PEDIATRIC PROBLEM. Riley HD Jr *South Med J* 68: 255-7, Mar 75 (Eng)

PEMPHIGUS

[PEMPHIGUS AND AZATHIOPRINE] Rancourt J, Lassonde M *Union Med Can* 104: 252-5, Feb 75 (Fre)

PENTOBARBITAL ANESTHESIA

MYOCARDIAL METABOLISM DURING PENTOBARBITAL ANESTHESIA IN DOGS. Durham BC, Miller HI *Anesthesiology* 42: 464-70, Apr 75 (Eng)

PENTOSE CYCLE

[INDICATORS OF THE CONDITION OF CONNECTIVE TISSUE AND THE ACTIVITY OF THE PENTOSE CYCLE OF GLUCOSE METABOLISM IN PATIENTS WITH DIABETES MELLITUS] Dozoretz IuL, Okorokov AN, Bobkov VJa, Rabkin M *Sov Med* 57-60, Jun 75 (Rus)

C-PEPTIDE

GUINEA PIG PROINSULIN. PRIMARY STRUCTURE OF THE C-PEPTIDE ISOLATED FROM PANCREAS. Massey DE, Smyth DG *J Biol Chem* 250: 6288-90, 25 Aug 75 (Eng)

PEPTIDE, INSULIN-LIKE

[ISOLATION AND PROPERTIES OF AN INSULIN-LIKE PEPTIDE FROM A HIGH MOLECULAR A-COMPONENT OF COMMERCIAL BOVINE INSULIN] Zuhlke H, Kohnert KD, Wilke B, Schmidt S *Acta Biol Med Ger* 33: 399-406, 1974 (Ger)

PERCA FLAVESCENS MITCHILL

ERYTHROCYTE METABOLISM IN THE YELLOW PERCH (PERCA FLAVESCENS MITCHILL). I. GLYCOLYTIC ENZYMES. Bachand L, Leray C *Comp Biochem Physiol [B]* 50: 567-70, 15 Apr 75 (Eng)

PERFUSATE

[INFLUENCE OF ADDITION OF THE FREE FATTY ACIDS TO THE PERFUSATE ON THE FUNCTION OF ISOLATED RAT HEART] Didier JP, Kleppinger J, Boucrot P, Moreau D, Noiret P, Bastien H *C R Soc Biol (Paris)* 168: 504-9, 1974 (Fre)

PERIODONTAL DISEASE

[THE UPTAKE OF OXYGEN AND GLUCOSE BY THE GINGIVA IN DIABETES MELLITUS WITH VARIOUS FORMS OF PERIODONTAL DISEASES] Fett KD, Hommel H, Fischer U *Stomatol DDR* 25: 267-72, Apr 75 (Ger)

[PERIODONTAL DISEASES IN DIABETES MELLITUS] Luxan JF *An Esp Odontostomatol* 34: 273-90, Jul-Aug 75 (Spa)

PERIPHERAL NERVE

CELLULAR IMMUNE RESPONSE TO PERIPHERAL NERVE BASIC PROTEIN IN IDIOPATHIC FACIAL PARALYSIS (BELLS PALSY). Abramsky O, Webb C, Teitelbaum D, Arnon R *J Neurol Sci* 26: 13-20, Sep 75 (Eng)

PERITONEAL DIALYSIS

MAINTENANCE PERITONEAL DIALYSIS AS AN ALTERNATIVE IN THE PATIENT WITH DIABETES MELLITUS AND END-STAGE UREMIA. Blumenkrantz MJ, Shapiro DJ, Mimura N, Greopoulos DG, Griedler RM, Levin S, Tenckhoff H, Coburn JW *Kidney Int [Suppl]* 108-14, Oct 74 (Eng)

PERMEABILITY

THE EFFECTS OF THE MEMBRANE-PENETRATING POLYPEPTIDE SEGMENT OF THE HUMAN ERYTHROCYTE MN-GLYCOPROTEIN ON THE PERMEABILITY OF MODEL LIPID MEMBRANES. Lea EJA, Rich GT, Segrest JP *Biochim Biophys Acta* 382: 41-50, 28 Feb 75 (Eng)

[PERMEABILITY OF THE SODIUM CHANNEL OF BIOMEMBRANES IN THE PRESENCE OF

Diabetes Literature—Keyword Index

PEROXIDASE

A FIXED ANION CENTER] Aitian Skh. Chizmadzhev IuA Dokl Akad Nauk SSSR 220: 1203-6, 1975 (Rus)

PEROXIDASE

ULTRASTRUCTURAL STUDY OF THE UPTAKE OF PEROXIDASE BY THE RAT MEDIAN EMINENCE. Pelletier G, Dupont A, Puviani R *Cell Tissue Res* 156: 521-32, 1975 (Eng)

PERTUSSIS SENSITIZED RAT

POTENTIATION OF THE ADRENERGIC BETA-RECEPTOR-MEDIATED INSULIN SECRETION IN PERTUSSIS-SENSITIZED RATS. Sumi T, Ui M *Endocrinology* 97: 352-8, Aug 75 (Eng)

PH EFFECT

ELECTROMECHANICAL STRESSES AND THE EFFECT OF PH ON MEMBRANE STRUCTURE. Coster HG *Biochim Biophys Acta* 382: 142-6, 13 Mar 75 (Eng)

PH, INTRACELLULAR

EFFECT OF PHENFORMIN ON GLUCONEOGENESIS FROM LACTATE AND INTRACELLULAR PH IN THE ISOLATED PERFUSED GUINEA PIG LIVER. Lloyd MH, Iles RA, Walton B, Hamilton CA, Cohen RD *Diabetes* 24: 618-24, Jul 75 (Eng)

PHASE SEPARATION

PHASE SEPARATIONS IN PHOSPHOLIPID MEMBRANES. Hong-wei S, McConnell H *Biochemistry* 14: 847-54, 25 Feb 75 (Eng)

PHENFORMIN

DETERMINATION OF PHENFORMIN IN BIOLOGICAL FLUIDS USING CHEMICAL IONIZATION MASS SPECTROMETRY. Matin SB, Karam JH, Forsham PH, Knight JB *Biomed Mass Spectrom* 1: 320-2, Oct 74 (Eng)

LACTIC ACIDOSIS ASSOCIATED WITH PHENFORMIN THERAPY. EVIDENCE THAT INHIBITED LACTATE OXIDATION IS THE CAUSATIVE FACTOR. Searle GL, Siperstein MD *Diabetes* 24: 741-5, Aug 75 (Eng)

PHENFORMIN EFFECT

EFFECT OF PHENFORMIN ON GLUCONEOGENESIS FROM LACTATE AND INTRACELLULAR PH IN THE ISOLATED PERFUSED GUINEA PIG LIVER. Lloyd MH, Iles RA, Walton B, Hamilton CA, Cohen RD *Diabetes* 24: 618-24, Jul 75 (Eng)

PHENOTYPE

COMBINED HYPERLIPOPROTEINEMIA. EVIDENCE FOR A NEW LIPOPROTEIN PHENOTYPE. Rose HG, Kranz P, Weinstock M, Juliano J, Haft JJ *Atherosclerosis* 20: 51-64, Jul-Aug 74 (Eng)

PHENOXYISOBUTYRIC ACID DERIVATIVE

[STUDIES ON HYPOLIPIDEMIC AGENTS. IV. SYNTHESIS AND HYPOLIPIDEMIC ACTIVITIES OF 4-SUBSTITUTED PHENOXYISOBUTYRIC ACID DERIVATIVES (AUTHORS TRANSL)] Miyoshi F, Fukami H, Sako Y *J Pharm Soc Jpn* 94: 1061-9, Sep 74 (Jpn)

PHENYTOIN

NEW USES FOR PHENYTOIN. Walson P, Trinca C, Bressler R *JAMA* 233: 1385-9, 29 Sep 75 (Eng)

PHEOCHROMOCYTOMA, FAMILIAL

GLUCAGON-BLOOD CATECHOLAMINE TEST: USE IN ISOLATED AND FAMILIAL PHEOCHROMOCYTOMA. Siqueira-Filho AG, Sheps SG, Maher FT, Jiang NS, Elveback LR *Arch Intern Med* 135: 1227-31, Sep 75 (Eng)

PHLORHIZIN INHIBITION

STRUCTURE AND FUNCTION OF PARASITE SURFACE MEMBRANES. I. MECHANICAL OF PHLORHIZIN INHIBITION OF HEXOSE TRANSPORT BY THE CESTODE HYMENOLEPIS DEMINUTA. McCracken RO, Lumsden RD *Comp Biochem Physiol [B]* 50: 153-7, 15 Jan 75 (Eng)

PHOSPHATE, INORGANIC

THE RAPID LABELING OF ADENOSINE TRIPHOSPHATE BY ³²P-LABELED INORGANIC PHOSPHATE AND THE EXCHANGE OF PHOSPHATE OXYGENS AS RELATED TO CONFORMATIONAL COUPLING IN OXIDATIVE PHOSPHORYLATION. Cross RL, Boyer PD *Biochemistry* 14: 392-8, 28 Jan 75 (Eng)

STUDIES ON FERROUS ION-INDUCED LIPID PEROXIDATION OF RAT LIVER MITOCHONDRIA. I. EFFECT OF INORGANIC PHOSPHATE. Yamamoto G, Tanabe M, Wakabayashi H, Hasimoto G, Yamamoto M *Acta Med Okayama* 28: 299-310, Oct 74 (Eng)

32P-PHOSPHATE, LABELED

THE RAPID LABELING OF ADENOSINE TRIPHOSPHATE BY ³²P-LABELED INORGANIC PHOSPHATE AND THE EXCHANGE OF PHOSPHATE OXYGENS AS RELATED TO CONFORMATIONAL COUPLING IN OXIDATIVE PHOSPHORYLATION. Cross RL, Boyer PD *Biochemistry* 14: 392-8, 28 Jan 75 (Eng)

PHOSPHATIDE BILAYER

A MODEL OF LATERAL DIFFUSION IN PHOSPHATIDE BILAYERS AND NATURAL MEMBRANES. Tinker DO *Chem Phys Lipids* 14: 33-40, Feb 75 (Eng)

PHOSPHATIDYLCHOLINE MODEL MEMBRANE

STUDIES ON PHOSPHATIDYLCHOLINE MODEL MEMBRANES. I. IODINE PERMEABILITY MEASUREMENT BY SPECIFIC ION ELECTRODE. Schullery SE *Chem Phys Lipids* 14: 49-58, Feb 75 (Eng)

PHOSPHODIESTERASE

REGULATION, BY INSULIN, OF LIPOPROTEIN LIPASE AND PHOSPHODIESTERASE ACTIVITIES IN RAT ADIPOSE TISSUE. Desai K, Hollenberg CH *Isr J Med Sci* 11: 540-50, Jun 75 (Eng)

RAPID ASSAYS FOR ADENYLATE CYCLASE AND 3,5 CYCLIC AMP PHOSPHODIESTERASE ACTIVITIES. SIMULTANEOUS MEASUREMENTS OF OTHER PATHWAYS OF ATP CATABOLISM. Delaage MA, Bellon BN, Cailla HL *Anal Biochem* 62: 417-25, Dec 74 (Eng)

A MODIFIED ASSAY OF 3:5-CYCLIC-AMP PHOSPHODIESTERASE. Boudreau RJ, Drummond GI *Anal Biochem* 63: 388-99, Feb 75 (Eng)

CYTOCHEMICAL LOCALIZATION OF PHOSPHODIESTERASE: AXONAL MITOCHONDRIA AND MICROTUBULES. Berg JS *J Insect Physiol* 21: 455-61, Feb 75 (Eng)

EFFECTS OF PROGESTERONE AND EDTA ON CYCLIC AMP AND PHOSPHODIESTERASE IN DICTYOSTELIUM DISCOIDEUM. Klein C, Brachet P *Nature* 254: 432-4, 3 Apr 75 (Eng)

PHOSPHODIESTERASE, CYCLIC NUCLEOTIDE

CYCLIC NUCLEOTIDE PHOSPHODIESTERASES AND THYROID HORMONES. Van Inwegen RG, Robison GA, Thompson WJ *J Biol Chem* 250: 2452-6, 10 Apr 75 (Eng)

PHOSPHOENOLPYRUVATE

CHARACTERIZATION OF THE PHOSPHOENOLPYRUVATE INHIBITION OF MITOCHONDRIAL PROTEIN SYNTHESIS. McCoy GD, Doeg KA *J Biol Chem* 250: 3510-4, 10 May 75 (Eng)

PHOSPHOENOLPYRUVATE

[INFLUENCE OF DIET, CORTISONE AND INSULIN ON VARIATIONS IN ENZYME ACTIVITY OF PYRUVATE CARBOXYLASE (EC 6.4.1.1) AND PHOSPHOENOLPYRUVATE CARBOXYKINASE (EC 4.1.1.32) IN RAT LIVER] Peret J, Chanez M *C R Acad Sci [D] (Paris)* 279: 2095-8, 23 Dec 74 (Fre)

PHOSPHOLIPASE

CATECHOLAMINE STIMULATED MYOCARDIAL ADENYLATE CYCLASE: EFFECTS OF PHOSPHOLIPASE DIGESTION AND THE ROLE OF MEMBRANE LIPIDS. Lefkowitz RJ *Mol Cell Cardiol* 7: 27-37, Jan 75 (Eng)

PHOSPHOLIPID

FREE FATTY ACIDS, DIACYL- AND TRIACYL-GLYCEROLS AND TOTAL PHOSPHOLIPIDS IN VERTEBRATE RETINA: COMPARISON WITH BRAIN, CHOROID AND PLASMA. Avelando MI, Bazan NG *J Neurochem* 23: 1127-35, Dec 74 (Eng)

PHOSPHOLIPID MEMBRANE

PHASE SEPARATIONS IN PHOSPHOLIPID MEMBRANES. Hong-wei S, McConnell H *Biochemistry* 14: 847-54, 25 Feb 75 (Eng)

PHOSPHORYLASE ACTIVITY

IN VITRO STIMULATION OF HEPATIC GLYCOGEN PHOSPHORYLASE ACTIVITY BY EPINEPHRINE AND GLUCAGON IN THE KILLIFISH, FUNDULUS HETEROCLOTUS. Uminger BL, Benziger D, Levy S *Comp Biochem Physiol [C]* 51: 111-5, 1 Jun 75 (Eng)

PHOSPHORYLATION

PHOSPHORYLATION OF ENDOGENOUS SUBSTRATES BY ERYTHROCYTE MEMBRANE PROTEIN KINASES. I. A MONOVALENT CATION-STIMULATED REACTION. Avruch J, Fairbanks G *Biochemistry* 13: 5507-14, 31 Dec 74 (Eng)

MECHANISMS FOR ELECTRON TRANSFER ASSISTED PHOSPHORYLATION, AND ATP HYDROLYSIS. Haight GP, Scott RA, Woltermann GM *Physiol Chem Phys* 6: 375-8, 1974 (Eng)

Diabetes Literature—Keyword Index

PHOSPHORYLATIVE ACTIVITY

CONTROL OF PHOSPHORYLATIVE ACTIVITY IN HUMAN LIVER MITOCHONDRIA THROUGH CHANGES IN RESPIRATORY ENZYME CONTENTS. Ozawa K, Honjo I *Clin Sci Mol Med* 48: 75-82, Feb 75 (Eng)

PHOTOBIOLOGY

MEMBRANE PHOTOCHEMISTRY AND PHOTOBIOLOGY. Krinsky NI *Photochem Photobiol* 20: 532-5, Dec 74 (Eng)

PHOTOCHEMISTRY

MEMBRANE PHOTOCHEMISTRY AND PHOTOBIOLOGY. Krinsky NI *Photochem Photobiol* 20: 532-5, Dec 74 (Eng)

PHYLLQUINONE

STUDIES ON THE ABSORPTION AND METABOLISM OF PHYLLQUINONE (VITAMIN K1) IN MAN. Shearer MJ, McBurney A, Barkhan P *Vitam Horm* 32: 513-42, 1974 (Eng) [34]

PHYSICAL FITNESS

EFFECT OF EXERCISE AND PHYSICAL FITNESS ON SERUM LIPIDS AND LIPOPROTEINS. Lopez A, Vial R, Balart L, Arroyave G *Atherosclerosis* 20: 1-9, Jul-Aug 74 (Eng)

PHYSICAL TRAINING EFFECT

EFFECT OF PHYSICAL TRAINING ON THE METABOLISM OF THYROID HORMONES IN MAN. Balsam A, Leppo LE *J Appl Physiol* 38: 212-5, Feb 75 (Eng)

PHYSIOTHERAPEUTIC METHOD

PHYSIOTHERAPEUTIC METHODS OF TREATMENT OF DIABETES MELLITUS [Verigo LP, Tirkina TN, Zhukovskii MA *Sov Med* 135-6, Jun 75 (Rus)]

PIG, DOMESTIC (SUS SCROFA)

KINETIC STUDIES ON THE ERYTHROCYTE HEXOKINASE OF THE DOMESTIC PIG, SUS SCROFA. Dixon E Jr *Comp Biochem Physiol* [B] 50: 61-4, 15 Jan 75 (Eng)

PIG, YOUNG

FOCAL DIFFERENCES IN LIPID METABOLISM OF THE YOUNG PIG AORTA. SYNTHESIS FROM [1-14C]ACETATE AND [U-14C]GLUCOSE IN VITRO. Somer JB, Bell FP, Schwartz CJ *Atherosclerosis* 20: 11-21, Jul-Aug 74 (Eng)

PINEAL GLAND

ENDOCRINE RHYTHMS ASSOCIATED WITH PINEAL GLAND FUNCTION. Reiter RJ *Adv Exp Med Biol* 54: 43-78, 1975 (Eng)

PINEALECTOMY EFFECT

THE NYCTOHEMERAL RHYTHM OF PLASMA PROLACTIN: EFFECTS OF GANGLIONECTOMY, PINEALECTOMY, CONSTANT LIGHT, CONSTANT DARKNESS OR 6-OH-DOPAMINE ADMINISTRATION. Kizer JS, Zivin JA, Jacobowitz DM, Kopin IJ *Endocrinology* 96: 1230-40, May 75 (Eng)

PITUITARY

[MEASURE OF PITUITARY SOMATOTROPIC ACTIVITY BY THE TIBIA TEST: EFFECT OF CERTAIN PHYSICAL TREATMENTS OF THE PITUITARY] Charrier J *Ann Biol Anim Biochim Biophys* 14: 377-81, 1974 (Fre)

[ROLE OF THE HYPOTHALAMUS IN THE REGULATION OF PITUITARY GONADOTROPINS SECRETION] Jutisz M *Endokrynol Pol* 25: 437-47, Nov-Dec 74 (Pol)

PITUITARY ADRENAL AXIS

EFFECTS OF VARIOUS HORMONES ON THE PITUITARY-ADRENAL AXIS. Kitay JJ *Adv Exp Med Biol* 54: 155-67, 1975 (Eng)

PITUITARY ADRENAL RHYTHM

CIRCADIAN PITUITARY ADRENAL RHYTHMS. Krieger DT *Adv Exp Med Biol* 54: 169-89, 1975 (Eng)

PITUITARY, ANTERIOR

[PROCEEDINGS: GLUCOSE AND 2-KETOGLUTARATE OXIDATION IN THE HYPOTHALAMUS AND THE ANTERIOR PITUITARY LOBE] Sato A, Onaya T, Yamada T *Folia Endocrinol Jpn* 50: 259, 20 Feb 74 (Jpn)

[PROCEEDINGS: SIGNIFICANCE OF GLYCOGEN METABOLISM OF THE ANTERIOR PITUITARY LOBE IN THE MECHANISMS OF LH AND FSH RELEASE] Makino T, Takahata H, Shiina M, Iizuka R, Ono T *Folia Endocrinol Jpn* 50: 260, 20 Feb 74 (Jpn)

PITUITARY, BOVINE

PURIFICATION OF A FIBROBLAST GROWTH FACTOR FROM BOVINE PITUITARY. Gospodarowicz D *J Biol Chem* 250: 2515-20, 10 Apr 75 (Eng)

PITUITARY CELL

INTRINSIC TRYPTOPHAN FLUORESCENCE OF MEMBRANES OF GH3 PITUITARY CELLS: QUENCHING BY THYROTROPIN-RELEASING HORMONE. Imae T, Fasman GD, Hinkle PM, Tashjian AH Jr *Biochem Biophys Res Commun* 62: 923-32, 17 Feb 75 (Eng)

PITUITARY FUNCTION

HYPOTHALAMIC AND PITUITARY FUNCTION IN HYPOGONADOTROPIC HYPOGONADISM. Paulson DF, Wiebe HR, Hammond CB *Urology* 6: 333-6, Sep 75 (Eng)

PITUITARY GLAND, ANTERIOR

[PROCEEDINGS: EFFECT OF ACTIVATED AMINES ON CYCLIC GMP LEVELS OF THE CEREBRAL CORTEX, HYPOTHALAMUS AND ANTERIOR PITUITARY GLAND] Sato A, Onaya T, Yamada T *Folia Endocrinol Jpn* 50: 476, 20 Feb 74 (Jpn)

PITUITARY GROWTH HORMONE

[PROCEEDINGS: EFFECTS OF GLUCOSE AND ARGININE ON SYNTHESIS AND SECRETION OF PITUITARY GROWTH HORMONE AND PROLACTIN IN RATS] Kasai K, Ieiri S, Yamamoto K *Folia Endocrinol Jpn* 50: 285, 20 Feb 74 (Jpn)

PITUITARY HORMONE

[PROCEEDINGS: EFFECT OF TRH ON PITUITARY HORMONE, ESPECIALLY GROWTH

PLACENTA, HUMAN

HORMONE SECRETION, IN DEPRESSION] Maeda K, Yamaguchi N, Kato Y, Chihara K, Taigo K *Folia Endocrinol Jpn* 50: 267, 20 Feb 74 (Jpn)

[PROCEEDINGS: STIMULATION OF PITUITARY HORMONE SECRETION BY PG E1] Uehara A *Folia Endocrinol Jpn* 50: 660, 20 Feb 74 (Jpn)

PITUITARY HORMONE, ANTERIOR

[PROCEEDINGS: ACTION OF RELEASING HORMONES ON VARIOUS ANTERIOR PITUITARY HORMONE SECRETION: ACROMEGALY] Miyai K, Onishi T, Hashimoto T, Sawazaki N, Hosokawa M *Folia Endocrinol Jpn* 50: 275, 20 Feb 74 (Jpn)

PITUITARY HORMONE RESPONSE

[PROCEEDINGS: PITUITARY HORMONE RESPONSE TO SERIAL INJECTIONS OF RELEASING HORMONE. 2] Nakagawa M *Folia Endocrinol Jpn* 50: 101, 20 Feb 74 (Jpn)

PITUITARY, RAT

HISTOCHEMICAL OBSERVATIONS ON UPTAKE OF L-DOPA INTO ENDOCRINE CELLS OF THE RAT PITUITARY GLAND DURING THE POSTNATAL DEVELOPMENT. Partanen S, Rechardt L, Back N *Cell Tissue Res* 156: 451-61, 1975 (Eng)

EFFECT OF GONADAL HORMONES ON ENZYME ACTIVITIES IN BRAIN AND PITUITARY OF MALE AND FEMALE RATS. Luine VN, Khylichevskaya RI, McEwen BS *Brain Res* 86: 283-92, 21 Mar 75 (Eng)

PITUITARY STALK EFFECT

[PROCEEDINGS: EFFECT OF PITUITARY STALK SECTION ON GROWTH HORMONE AND CORTISOL SECRETION IN RHESUS MONKEY] Kuwayama A, Shintani A, Kageyama N, Zervas NT *Folia Endocrinol Jpn* 50: 280, 20 Feb 74 (Jpn)

PITUITARY TUMOR

QUANTITATIVE ULTRASTRUCTURAL STUDY OF THE ADRENAL CORTEX: EFFECTS OF A MAMMOTROPIC PITUITARY TUMOR PRODUCING GROWTH HORMONE AND PROLACTIN (MTT-W10), AND OF INJECTED GROWTH HORMONE IN THE RAT. Nickerson PA, Albrecht von Graefes *Arch Klin Ophthalmol* 194: 52-62, 1975 (Eng)

[PROCEEDINGS: RADIOIMMUNOASSAY OF GROWTH HORMONE AND PROLACTIN IN THE CULTURE FLUID DERIVED FROM PITUITARY TUMOR] Idemura R, Ichikawa K, Maeda T, Odagiri E, Suda T *Folia Endocrinol Jpn* 50: 289, 20 Feb 74 (Jpn)

PLACENTA

PROTEIN TRANSPORT ACROSS THE PLACENTA. Wild AE *Symp Soc Exp Biol* 521-46, 1974 (Eng) [66]

PLACENTA, DIABETIC

[THE SIZE OF CHORIONIC VILLI IN THE PLACENTA OF DIABETICS (AUTHORS TRANSL)] Emmrich P, Muller G *Zentralbl Allg Pathol* 118: 504-9, 1974 (Ger)

PLACENTA, HUMAN

[MICROSOME-ASSOCIATED 17BETA-HYDROXYSTEROID DEHYDROGENASES OF HUMAN PLACENTA, II KINETIC STUDIES

Diabetes Literature—Keyword Index

PLACENTA, MOUSE

AND CHARACTERIZATION OF THE SOLUBILIZED ESTRADIOL AND TESTOSTERONE-SENSITIVE 17BETA-HSD-ACTIVITIES] Pollow K, Runge W, Pollow B Z Naturforsch [C] 30: 17-24, Jan-Feb 75 (Ger)

PLACENTA, MOUSE

METABOLISM OF THE MOUSE PLACENTA. Galil AK J Reprod Fertil 42: 575-8, Mar 75 (Eng)

PLACENTA, RABBIT

PERFUSION OF THE RABBIT PLACENTA IN SITU, AS AN EXPERIMENTAL MODEL OF THE PLACENTAL TRANSPORT STUDIES. Abucewicz A, Szyzka K Acta Physiol Pol 25: 91-5, Jan-Feb 74 (Eng)

PLACENTA, SHEEP

IMPERMEABILITY OF THE SHEEP PLACENTA TOWARDS ENDOGENOUS PROLACTIN. Alexander DP, Britton HG, Buttle HL, Nixon DA Res Vet Sci 14: 271-2, Mar 73 (Eng)

PLACENTAL BARRIER

[MORPHOLOGICAL AND HISTOCHEMICAL ANALYSIS OF ELEMENTS OF THE PLACENTAL BARRIER IN FULL-TERM NEONATE HYPOTROPHY (AUTHORS TRANSL)] Kolodziejczyk JW Probl Med Wieku Rozwoj 3: 133-63, 1973 (Pol)

PLACENTAL DIFFUSING CAPACITY

PLACENTAL DIFFUSING CAPACITY IN UNANESTHETIZED RABBITS. Rocco E, Bennett TR, Power GG Am J Physiol 228: 465-9, Feb 75 (Eng)

PLACENTAL LACTOGEN, HUMAN

EFFECTS OF BOVINE GROWTH HORMONE, HUMAN PLACENTAL LACTOGEN AND OVINE PROLACTIN ON INTESTINAL FLUID AND ION TRANSPORT IN THE RAT. Mainoya JR Endocrinology 96: 1165-70, May 75 (Eng)

PLACENTAL MITOCHONDRIA

[CHARACTERISTICS OF THE PLACENTAL MITOCHONDRIA IN WOMEN AT VARIOUS PERIODS OF PHYSIOLOGICAL PREGNANCY] Bulienko SD, Kisilevich RSh, Skvarko SI, Matyniak LG Ukr Biokhim Zh 46: 492-5, Jul-Aug 74 (Ukr)

PLASMA, HUMAN

THE USE OF SOLID PROBE CHEMICAL IONIZATION MASS SPECTROMETRY AND GAS CHROMATOGRAPHY-CHEMICAL IONIZATION MASS SPECTROMETRY IN QUANTITATION OF DRUGS IN BIOLOGICAL FLUIDS. DETERMINATION OF TOLBUTAMIDE AND ITS METABOLITES IN HUMAN PLASMA. Matin SB, Knight JB Biomed Mass Spectrom 1: 323-8, Oct 74 (Eng)

TIME SERIES ANALYSIS OF HORMONAL PATTERNS IN HUMAN PLASMA. Vagnucci AH, Wong AK, Liu TS Comput Biomed Res 7: 513-32, Dec 74 (Eng)

LONG CHAIN FATTY ACID BINDING TO HUMAN PLASMA ALBUMIN. Ashbrook JD, Spector AA, Santos EC, Fletcher JE J Biol Chem 250: 2333-8, 25 Mar 75 (Eng)

PLASMA, RAT

[ISOLATION OF LIPOPROTEIN LIPASE FROM POSTHEPARIN RAT PLASMA AND DEMON-

STRATION OF ITS BIOLOGICAL ACTIVITY] Bazarian GG, Levchuk TP, Malakhova EA, Smirnova VK, Sytina NP, Iakovlev VA Vopr Med Khim 20: 14-9, Jan-Feb 74 (Rus)

PLASMIN

ISOLATION AND BIOLOGICAL CHARACTERIZATION OF FRAGMENTS OF HUMAN GROWTH HORMONE PRODUCED BY DIGESTION WITH PLASMIN. Reagan CR, Mills JB, Kostyo JL, Wilhelmi AE Endocrinology 96: 625-36, Mar 75 (Eng)

PLATELET

THE BEHAVIOUR OF THE PLATELET-LEUKOCYTE AGGREGATION IN THROMBOTIC CONDITIONS. Bielawiec M, Kiernowska-Rogowska B, Mysliwiec M, Perzanowski A Folia Haematol (Leipz) 102: 220-9, 1975 (Eng)

SYNTHESIS OF PROSTAGLANDINS IN PLATELETS OF HYPERCHOLESTEROLEMIC RABBITS. Srivastava KC Lipids 10: 57-9, Jan 75 (Eng)

PLATELET AGGREGATION

INHIBITION OF LABILE AGGREGATION-STIMULATING SUBSTANCE (LASS) AND PLATELET AGGREGATION IN DIABETES MELLITUS. Colwell JA, Chambers A, Laimins M Diabetes 24: 684-7, Jul 75 (Eng)

PLATELET, BLOOD

[RELATIONSHIP OF THE PROSTAGLANDINS TO THE LIPID AND GLYCIDE METABOLISM, ADHESIVENESS AND AGGREGATION OF THE BLOOD PLATELETS AND INFLAMMATORY REACTION] Masek K Cas Lek Cesk 114: 23-6, 3 Jan 75 (Cze)

PLATELET FUNCTION

PROCEEDINGS: EFFECT OF FEEDING WITH SUCROSE AND OTHER CARBOHYDRATES ON PLATELET FUNCTION IN RATS. McGregor L Proc Nutr Soc 33: 23a-24a, Sep 74 (Eng)

PLATELET LEUKOCYTE AGGREGATION

THE BEHAVIOUR OF THE PLATELET-LEUKOCYTE AGGREGATION IN THROMBOTIC CONDITIONS. Bielawiec M, Kiernowska-Rogowska B, Mysliwiec M, Perzanowski A Folia Haematol (Leipz) 102: 220-9, 1975 (Eng)

POLYACRYLAMIDE GEL ELECTROPHORESIS

THE HETEROGENEITY AND DEGRADATION OF GLUCAGON STUDIED BY POLYACRYLAMIDE GEL ELECTROPHORESIS. Calam DH, Storrer PL J Biol Stand 3: 263-5, 1975 (Eng)

AMINO TERMINAL RESIDUE HETEROGENEITY OF BOVINE AND OVINE GROWTH HORMONES AS REVEALED BY POLYACRYLAMIDE GEL ELECTROPHORESIS. Lorensen MG, Ellis S Endocrinology 96: 833-8, Apr 75 (Eng)

POLYMORPHONUCLEAR LEUKOCYTE

INTERACTION OF STAPHYLOCOCCUS AUREUS WITH HUMAN POLYMORPHONUCLEAR LEUKOCYTES. Quie PG, Davis AT Contrib Microbiol Immunol 1: 195-201, 1973 (Eng)

STIMULATION OF GLUCOSE OXIDATION IN HUMAN POLYMORPHONUCLEAR LEUKOCYTES BY C3-SEPHAROSE AND SOLUBLE C567. Tedesco F, Trani S, Soranzo MR, Patriarca P FEBS Lett 51: 232-6, 1 Mar 75 (Eng)

POLYNEUROPATHY

[RELATIONSHIP BETWEEN UREMIA POLYNEUROPATHY, UREMIC GLUCOSE METABOLISM DISORDER AND SEVERITY OF UREMIC INTOXICATION IN DIALYSIS PATIENTS] Goubeaud G, Kunze K, Hohmann KH, Schutterle G, Biro G Verh Dtsch Ges Inn Med 80: 728-31, 1974 (Ger)

POLYPEPTIDE

INTERACTIONS OF GLUCAGON, GUT GLUCAGON, VASOACTIVE INTESTINAL POLYPEPTIDE AND SECRETIN WITH THEIR MEMBRANE RECEPTORS. Bataille D, Rosselin G, Freychet P Isr J Med Sci 11: 687-92, Jul 75 (Eng)

POLYPEPTIDE, BASIC

INTERACTION OF BASIC POLYPEPTIDES WITH PHOSPHOLIPID MONOLAYERS. Miller IR, Bach D Chem Phys Lipids 13: 453-65, Dec 74 (Eng)

POLYPEPTIDE, GASTRIC INHIBITORY

GASTRIC INHIBITORY POLYPEPTIDE (GIP) STIMULATED BY FAT INGESTION IN MAN. Falko JM, Crockett SE, Cataland S, Mazzaferri EL J Clin Endocrinol Metab 41: 260-5, Aug 75 (Eng)

POLYPEPTIDE SEGMENT

THE EFFECTS OF THE MEMBRANE-PENETRATING POLYPEPTIDE SEGMENT OF THE HUMAN ERYTHROCYTE MNGLYCOPROTEIN ON THE PERMEABILITY OF MODEL LIPID MEMBRANES. Lea EJA, Rich GT, Segrest JP Biochim Biophys Acta 382: 41-50, 28 Feb 75 (Eng)

POLYPHOSPHOINOSITID METABOLISM

LOCALIZATION OF ENZYMES INVOLVED IN POLYPHOSPHOINOSITID METABOLISM ON THE CYTOPLASMIC SURFACE OF THE HUMAN ERYTHROCYTE MEMBRANE. Burris Garrett RJ, Redman CM Biochim Biophys Acta 382: 58-64, 28 Feb 75 (Eng)

POSTHEPARIN PLASMA

LIPOLIPIN: A GLYCOPROTEIN INHIBITOR OF POSTHEPARIN PLASMA LIPOPROTEIN LIPASE. Wagh PV Adv Exp Med Biol 52: 281-8, 1975 (Eng)

POSTNATAL

INSULIN AND HYDROCORTISONE EFFECTS ON VIABILITY AND GLYCOGEN STORES OF POSTNATAL RAT LIVER ORGAN CULTURE. Reed GB, Grisham JW Lab Invest 33: 298-304, Sep 75 (Eng)

[ROLE OF SPECIFIC IMPULSES IN THE POSTNATAL FORMATION OF CHEMICAL ACTIVITY IN MICROSTRUCTURES OF THE ANIMAL BRAIN VISUAL ANALYZER] Pigareva ZD Usp Sovrem Biol 79: 48-63, Jan-Feb 75 (Rus) [97]

Diabetes Literature—Keyword Index

PROINSULIN

POSTNATAL DEVELOPMENT

HISTOCHEMICAL OBSERVATIONS ON UPTAKE OF L-DOPA INTO ENDOCRINE CELLS OF THE RAT PITUITARY GLAND DURING THE POSTNATAL DEVELOPMENT. Partanen S, Rechardt L, Back N *Cell Tissue Res* 156: 451-61, 1975 (Eng)

POTNATAL PERIOD

HYPORESPONSIVENESS TO GLUCOPRIVATION DURING POSTNATAL PERIOD IN THE RAT. Gil-Ad I, Udeschini G, Cocchi D, Muller EE *Am J Physiol* 229: 512-7, Aug 75 (Eng)

POTASSIUM

CONTROL OF CARDIAC SARCOLEMMA ADENYLATE CYCLASE AND SODIUM, POTASSIUM-ACTIVATED ADENOSINETRIPHOSPHATASE ACTIVITIES. Tada M, Kirchberger MA, Iorio JM, Katz AM *Circ Res* 36: 8-17, Jan 75 (Eng)

POTASSIUM CONCENTRATION

POTASSIUM TRANSPORT AND THE RELATIONSHIP BETWEEN INTRACELLULAR POTASSIUM CONCENTRATION AND AMINO ACID UPTAKE BY CELLS OF A MARINE PSEUDOMONAD. Thompson J, MacLeod RA *J Bacteriol* 120: 598-603, Nov 74 (Eng)

POTASSIUM ION

HORMONE ACTION AND MEMBRANE FLUIDITY: EFFECT OF INSULIN AND CORTISOL ON THE HILL COEFFICIENTS OF RAT ERYTHROCYTE MEMBRANE-BOUND ACETYLCHOLINESTERASE AND (NA⁺ & K⁺)-ATPASE. Massa EM, Morero RD, Bloj B, Farias RN *Biochem Biophys Res Commun* 66: 115-22, 2 Sep 75 (Eng)

[COUPLED TRANSPORT OF H⁺, K⁺ AND CL⁻ IONS ACROSS ERYTHROCYTE MEMBRANES] Astashkin EI, Antonov VF *Fiziol Zh SSSR* 60: 1813-8, Dec 74 (Rus)

INCORPORATION OF 14C FROM GLUCOSE INTO GLYCOGEN AND SOME AMINO ACIDS OF CEREBRAL CORTEX INFLUENCED BY POTASSIUM IONS IN VIVO. Krivanek J *Physiol Bohemoslov* 21: 615-22, 1972 (Eng)

[INTERACTION OF NA⁺, K⁺-ATPASE WITH OUBAIN] Nazarenko VI *Ukr Biokhim Zh* 46: 531-43, Jul-Aug 74 (Rus) [97]

POTASSIUM SOLUTION

ADMINISTRATION OF GLUCOSE-INSULIN-POTASSIUM SOLUTION (GIK) AND VALVE REPLACEMENT IN PATIENTS WITH ADVANCED VALVULAR DISEASE. Asano K, Sakashita I, Ando T *J Cardiovasc Surg (Torino)* SPEC NO: 370-3, 1975 (Eng)

POTASSIUM TRANSPORT

POTASSIUM TRANSPORT AND THE RELATIONSHIP BETWEEN INTRACELLULAR POTASSIUM CONCENTRATION AND AMINO ACID UPTAKE BY CELLS OF A MARINE PSEUDOMONAD. Thompson J, MacLeod RA *J Bacteriol* 120: 598-603, Nov 74 (Eng)

POTENCY DISTURBANCE

[THE SPERMIOGRAMS OF DIABETIC AND NONDIABETIC PATIENTS WITH DISTURBANCES OF POTENCY (AUTHORS TRANSL)] Bartak V, Josifko M *Cas Lek Cesk* 114: 724-5, 13 Jun 75 (Cze)

POTENTIATION

POTENTIATION OF THE ADRENERGIC BETA-RECEPTOR-MEDIATED INSULIN SECRETION IN PERTUSSIS-SENSITIZED RATS. Sumi T, Ui M *Endocrinology* 97: 352-8, Aug 75 (Eng)

PRECURSOR

ELABORATION OF MEDIUM CHAIN FREE FATTY ACIDS AND LONG CHAIN FATTY ACID PROSTAGLANDIN PRECURSORS BY ISOLATED ANOXIC RAT LIVER MITOCHONDRIA. Markelonis G, Garbus J *FEBS Lett* 51: 7-10, 1 Mar 75 (Eng)

PREDIABETIC STATE

[PREDIABETIC STATE, DIABETES AND ARTERIOSCLEROSIS] Efendic S, Milentjevic G, Luft R *Srp Arh Celok Lek* 103: 249-55, Apr 75 (Ser)

PREDNISONE EFFECT

INHIBITORY EFFECT OF PREDNISONE ON INSULIN SECRETION IN MAN: MODEL FOR DUPLICATION OF BLOOD GLUCOSE CONCENTRATION. Kalhan SC, Adam PA *J Clin Endocrinol Metab* 41: 600-10, Sep 75 (Eng)

PREGNANCY

CARBOHYDRATE METABOLISM IN PREGNANCY. PART I. DIURNAL PLASMA GLUCOSE PROFILE IN NORMAL AND DIABETIC WOMEN. Gillmer MD, Beard RW, Brooke FM, Oakley NW *Br Med J* 3: 399-402, 16 Aug 75 (Eng)

CARBOHYDRATE METABOLISM IN PREGNANCY. PART II. RELATION BETWEEN MATERNAL GLUCOSE TOLERANCE AND GLUCOSE METABOLISM IN THE NEWBORN. Anonymous *Br Med J* 3: 402-4, 16 Aug 75 (Eng)

METABOLIC PROFILES IN PREGNANCY. Gillmer MD, Oakley NW, Brooke FM, Beard RW *Isr J Med Sci* 11: 601-8, Jun 75 (Eng)

SIGNIFICANCE OF THE ORAL GLUCOSE TOLERANCE TEST PERFORMED ON THE THIRD DAY AFTER DELIVERY FOR THE DIAGNOSIS OF DIABETES IN PREGNANCY. Salzberger M, Sharon A, Liban E *Isr J Med Sci* 11: 629-31, Jun 75 (Eng)

MATERNAL AND FETAL RESPONSE TO RAPID GLUCOSE LOADING IN PREGNANCY AND LABOR. Zakut H, Mashiah S, Blankstein J, Serr DM *Isr J Med Sci* 11: 632-7, Jun 75 (Eng)

LETTER: PROPRANOLOL AND PREGNANCY. Fiddler GI *Lancet* 2: 722-3, 21 Sep 74 (Eng)

DECREASED CARBOHYDRATE TOLERANCE IN PREGNANT PATIENTS WITH AN EARLY MENARCHE. Loffer FD *Am J Obstet Gynecol* 123: 180-4, 15 Sep 75 (Eng)

PROCEEDINGS: IN-VITRO METABOLISM OF PROSTAGLANDINS IN TISSUES FROM THE PREGNANT HUMAN UTERUS. Keirse MJ, Turnbull AC *J Endocrinol* 64: 18p, Jan 75 (Eng)

ESTROGEN SYNTHESIS BY THE PREGNANT BABOON. Kling OR, Rubin EJ, Townsley JD *J Med Primatol* 1: 102-13, 1972 (Eng)

[CHARACTERISTICS OF THE PLACENTAL MITOCHONDRIA IN WOMEN AT VARIOUS PERIODS OF PHYSIOLOGICAL PREGNANCY] Bulienko SD, Kisilevich RSh, Skvarko SI, Matyniak LG *Ukr Biokhim Zh* 46: 492-5, Jul-Aug 74 (Ukr)

PREGNANCY, HIGH RISK

CAN THE OXYTOCIN CHALLENGE TEST SERVE AS THE PRIMARY METHOD FOR MANAGING HIGH-RISK PREGNANCIES Hayden BL, Simpson JL, Ewing DE, Otterson WN *Obstet Gynecol* 46: 251-4, Sep 75 (Eng)

PREGNANCY, LATE

INTERRELATIONS OF GLUCOSE, INSULIN AND GLUCAGON AFTER OVERNIGHT FAST AND IN RESPONSE TO ORAL GLUCOSE DURING LATE PREGNANCY. Nitzan M, Freinkel N, Metzger BE, Unger RH, Faloona GR, Daniel RR *Isr J Med Sci* 11: 617-22, Jun 75 (Eng)

PREVENTION

[PREVENTION OF DIABETIC ANGIOPATHY OR REVISION OF THE CONCEPT OF CONTROL AND COMPENSATION OF DIABETES AND OF ITS PRACTICAL MANAGEMENT] Scapellato L *Boll Soc Ital Cardiol* 19: 731-8, 1974 (Ita)

SPECIAL ISSUE ON ATHERO-ARTERIOSCLEROSIS. AN ICONOCLASTIC VIEW OF CURRENT CONCEPTS CONCERNING GENESIS, PREVENTION, AND CONTROL. Blumenthal HT, Alex M *Gerontologia* 21: 129-75, 1975 (Eng)

[DIABETES MELLITUS IN CHILDREN AND ADOLESCENTS (THERAPY, PREVENTION)] Vasiukova EA, Kasatkina EP *Sov Med* 52-6, Jun 75 (Rus)

PRIMATE

ARTERIAL LYSOSOMES AND CONNECTIVE TISSUE IN PRIMATE ATHEROSCLEROSIS AND HYPERTENSION. Wolinsky H, Goldfischer S, Daly MM, Kasak LE, Coltoff-Schiller B *Circ Res* 36: 553-61, Apr 75 (Eng)

CONCENTRATIVE ACCUMULATION (ACTIVE TRANSPORT) OF 2-DEOXY-D-GLUCOSE IN PRIMATE FIBROBLASTS. Tsuboi KK, Petriciani JC *Biochem Biophys Res Commun* 62: 587-93, 3 Feb 75 (Eng)

PROBE, SOLID

THE USE OF SOLID PROBE CHEMICAL IONIZATION MASS SPECTROMETRY AND GAS CHROMATOGRAPHY-CHEMICAL IONIZATION MASS SPECTROMETRY IN QUANTITATION OF DRUGS IN BIOLOGICAL FLUIDS. DETERMINATION OF TOLBUTAMIDE AND ITS METABOLITES IN HUMAN PLASMA. Matin SB, Knight JB *Biomed Mass Spectrom* 1: 323-8, Oct 74 (Eng)

PROGESTERONE EFFECT

EFFECTS OF PROGESTERONE AND EDTA ON CYCLIC AMP AND PHOSPHODIESTERASE IN DICTYOSTELIUM DISCOIDEUM. Klein C, Brachet P *Nature* 254: 432-4, 3 Apr 75 (Eng)

PROGESTERONE, PLACENTAL

THE EFFECT OF FETAL HYPOPHYSECTOMY ON PLACENTAL BIOSYNTHESIS OF PROGESTERONE IN RHESUS. Hagemas FC, Baughman WL, Kittinger GW *Endocrinology* 96: 1059-62, Apr 75 (Eng)

PROINSULIN

GUINEA PIG PROINSULIN. PRIMARY STRUCTURE OF THE C-PEPTIDE ISOLATED FROM PANCREAS. Massey DE, Smyth DG *J Biol Chem* 250: 6288-90, 25 Aug 75 (Eng)

Diabetes Literature—Keyword Index

PROINSULIN CATABOLISM

PROINSULIN: A PROPOSED THREE-DIMENSIONAL STRUCTURE. Snell CR, Smyth DG *J Biol Chem* 250: 6291-5, 25 Aug 75 (Eng)

RADIORECEPTOR ASSAY OF INSULIN: COMPARISON OF PLASMA AND PANCREATIC INSULINS AND PROINSULINS. Gavin JR 3d, Kahn CR, Gordon P, Roth J, Neville DM Jr *J Clin Endocrinol Metab* 41: 438-45, Sep 75 (Eng)

PROINSULIN CATABOLISM

CATABOLISM OF PROINSULIN AND INSULIN. PROTEOLYTIC ACTIVITIES IN LANGERHANS ISLETS OF RATS AND MICE PANCREAS IN VITRO. Zuhlke H, Jahr H, Schmidt S, Gottschling D, Wilke B, Kansy H, Kaleta C, Pieper I *Acta Biol Med Ger* 33: 407-18, 1974 (Eng)

PROINSULIN, SERUM

SERUM PROINSULIN IN CHILDREN AND ADOLESCENTS WITH CHEMICAL DIABETES. Rosenbloom AL, Starr JJ, Juhn D, Rubenstein AH *Diabetes* 24: 753-7, Aug 75 (Eng)

PROLACTIN

FURTHER STUDIES ON THE ACTION OF PROLACTIN ON FLUID AND ION ABSORPTION BY THE RAT JEJUNUM. Mainoya JR *Endocrinology* 96: 1158-64, May 75 (Eng)

[PROCEEDINGS: STUDY OF GIF (GROWTH HORMONE INHIBITING FACTOR). (II). EFFECT OF GIF ON PLASMA GH AND PROLACTIN LEVELS OF RATS TREATED WITH NEMBUROL AND CHLORPROMAZINE] Sawano S, Kokubu T, Ishizuka Y, Baba Y *Folia Endocrinol Jpn* 50: 269, 20 Feb 74 (Jpn)

QUANTITATIVE ULTRASTRUCTURAL STUDY OF THE ADRENAL CORTEX: EFFECTS OF A MAMMOTROPIC PITUITARY TUMOR PRODUCING GROWTH HORMONE AND PROLACTIN (MTT-W10), AND OF INJECTED GROWTH HORMONE IN THE RAT. Nickerson PA *Albrecht von Graefes Arch Klin Ophthalmol* 194: 52-62, 1975 (Eng)

[PROCEEDINGS: RADIORECEPTOR ASSAY OF GROWTH HORMONE AND PROLACTIN (2)] Matsuzaki F, Suzuki K *Folia Endocrinol Jpn* 50: 178, 20 Feb 74 (Jpn)

[PROCEEDINGS: EFFECTS OF GLUCOSE AND ARGININE ON SYNTHESIS AND SECRETION OF PITUITARY GROWTH HORMONE AND PROLACTIN IN RATS] Kasai K, Ieiri S, Yamamoto K *Folia Endocrinol Jpn* 50: 285, 20 Feb 74 (Jpn)

[PROCEEDINGS: RADIOIMMUNOASSAY OF GROWTH HORMONE AND PROLACTIN IN THE CULTURE FLUID DERIVED FROM PITUITARY TUMOR] Idemura R, Ichikawa K, Maeda T, Odagiri E, Suda T *Folia Endocrinol Jpn* 50: 289, 20 Feb 74 (Jpn)

[PROCEEDINGS: RESPONSES OF PLASMA ACTH, GH, LH, FSH, TSH AND PROLACTIN IN CUSHINGS SYNDROME] Hashimoto K, Asaoka K, Mori M, Yokoyama M, Miyoshi M *Folia Endocrinol Jpn* 50: 537, 20 Feb 74 (Jpn)

IMPERMEABILITY OF THE SHEEP PLACENTA TOWARDS ENDOGENOUS PROLACTIN. Alexander DP, Britton HG, Buttle HL, Nixon DA *Res Vet Sci* 14: 271-2, Mar 73 (Eng)

PROLACTIN, HUMAN

IN VITRO STIMULATION OF HUMAN BREAST TISSUE BY HUMAN PROLACTIN. Dilley WG, Kinter SJ *J Natl Cancer Inst* 55: 35-6, Jul 75 (Eng)

[PROCEEDINGS: SECRETION DYNAMICS OF HUMAN PROLACTIN] Ebura Y, Igarashi M,

Yen SS *Folia Endocrinol Jpn* 50: 288, 20 Feb 74 (Jpn)

PROLACTIN, OVINE

EFFECTS OF BOVINE GROWTH HORMONE, HUMAN PLACENTAL LACTOGEN AND OVINE PROLACTIN ON INTESTINAL FLUID AND ION TRANSPORT IN THE RAT. Mainoya JR *Endocrinology* 96: 1165-70, May 75 (Eng)

PROLACTIN, PLASMA

THE NYCTOHEMERAL RHYTHM OF PLASMA PROLACTIN: EFFECTS OF GANGLIONECTOMY, PINEALECTOMY, CONSTANT LIGHT, CONSTANT DARKNESS OR 6-OH-DOPAMINE ADMINISTRATION. Kizer JS, Zivin JA, Jacobowitz DM, Kopin IJ *Endocrinology* 96: 1230-40, May 75 (Eng)

PROLACTIN SECRETION

[PROCEEDINGS: EFFECT OF NICOTINE ON GROWTH HORMONE AND PROLACTIN SECRETION IN RATS] Kato Y, Chihara K, Maeda K, Daigo K, Imura H *Folia Endocrinol Jpn* 50: 266, 20 Feb 74 (Jpn)

[PROCEEDINGS: PROLACTIN SECRETION DYNAMICS IN NORMAL SUBJECTS] Shimamoto K, Orimo H *Folia Endocrinol Jpn* 50: 295, 20 Feb 74 (Jpn)

PROLACTIN SECRETION, HUMAN

[PROCEEDINGS: HUMAN PROLACTIN SECRETION DYNAMICS IN VARIOUS ENDOCRINE DISEASES] Ogawa N, Miyoshi M, Hanabusa M, Yokoyama H, Furuno K *Folia Endocrinol Jpn* 50: 296, 20 Feb 74 (Jpn)

PROLIFERATIVE ACTIVITY

DIFFERENCES IN PROLIFERATIVE ACTIVITY OF RAT AND HUMAN PROSTATE IN CULTURE. Shipman PA, Littlewood V, Riches AC, Thomas GH *Br J Cancer* 31: 570-80, May 75 (Eng)

PROPAN-2-OL

MODIFICATIONS OF PLASMA POST-HEPARIN LIPOLYTIC ACTIVITY AND TISSUE LIPOPROTEIN LIPASE ACTIVITY INDUCED IN THE RAT BY ACUTE ADMINISTRATION OF ETHANOL OR PROPAN-2-OL. Giudicelli Y, Nordmann R, Nordmann J *Clin Sci Mol Med* 48: 153-6, Feb 75 (Eng)

PROPARATHYROID HORMONE

MICROTUBULES AND THE INTRACELLULAR CONVERSION OF PROPARATHYROID HORMONE TO PARATHYROID HORMONE. Kemper B, Habener JF, Rich A, Potts JT Jr *Endocrinology* 96: 903-12, Apr 75 (Eng)

PROPIONYL COENZYME A

THE ACTIVATION OF SHORT-CHAIN FATTY ACIDS BY THE SOLUBLE FRACTION OF GUINEA-PIG HEART AND LIVER MITOCHONDRIA. THE SEARCH FOR A DISTINCT PROPIONYL-COA SYNTHETASE. Groot PH *Biochim Biophys Acta* 380: 12-20, 24 Jan 75 (Eng)

PROPRANOLOL

LETTER: PROPRANOLOL AND PREGNANCY. Fiddler GI *Lancet* 2: 722-3, 21 Sep 74 (Eng)

LETTER: CYCLIC AMP, ALPHA AND BETA RECEPTORS AS A FURTHER EXPLANATION OF THE PROPRANOLOL-FFA ACTIVITY.

Flemenbaum A *Psychosom Med* 37: 74, Jan-Feb 75 (Eng)

[EFFECT OF THERAPEUTIC DOSES OF PROPRANOLOL ON BLOOD GLUCOSE LEVEL] Kondrak R *Wiad Lek* 28: 461-4, 15 Mar 75 (Pol)

PROPRANOLOL, LEVODOPA

STIMULATION OF GROWTH HORMONE SECRETION BY LEVODOPA-PROPRANOLOL IN CHILDREN AND ADOLESCENTS. Anonymous *Pediatrics* 56: 262-6, Aug 75 (Eng)

PROSCILLARIDIN EFFECT

[EFFECT OF PROSCILLARIDIN ON ACTIVE CATION TRANSPORT ACROSS HUMAN RED CELL MEMBRANE (AUTHORS TRANSL)] Nishida H, Saito H, Kawaguchi M *Hokkaido J Med Sci* 49: 235-9, May 74 (Jpn)

PROSTAGLANDIN

ELABORATION OF MEDIUM CHAIN FREE FATTY ACIDS AND LONG CHAIN FATTY ACID PROSTAGLANDIN PRECURSORS BY ISOLATED ANOXIC RAT LIVER MITOCHONDRIA. Markelonis G, Garbus J *FEBS Lett* 51: 7-10, 1 Mar 75 (Eng)

PROSTAGLANDINS AND OBESITY. Curtis-Prior PB *Lancet* 1: 897-9, 19 Apr 75 (Eng)

SYNTHESIS OF PROSTAGLANDINS IN PLATELETS OF HYPERCHOLESTEROLEMIC RABBITS. Srivastava KC *Lipids* 10: 57-9, Jan 75 (Eng)

[RELATIONSHIP OF THE PROSTAGLANDINS TO THE LIPID AND GLYCID METABOLISM, ADHESIVENESS AND AGGREGATION OF THE BLOOD PLATELETS AND INFLAMMATORY REACTION] Masek K *Cas Lek Cesk* 114: 23-6, 3 Jan 75 (Cze)

[THE MECHANISM OF ACTION OF PROSTAGLANDINS (AUTHORS TRANSL)] Masek K *Cas Lek Cesk* 114: 45-8, 10 Jan 75 (Cze)

PROCEEDINGS: IN-VITRO METABOLISM OF PROSTAGLANDINS IN TISSUES FROM THE PREGNANT HUMAN UTERUS. Keirse MJ, Turnbull AC *J Endocrinol* 64: 18p, Jan 75 (Eng)

PROSTAGLANDIN BIOSYNTHESIS

A SUGGESTED ROLE FOR HYDROGEN PEROXIDE IN THE BIOSYNTHESIS OF PROSTAGLANDINS. Panganamala RV, Sharma HM, Sprecher H, Geer JC, Cornwell DG *Prostaglandins* 8: 3-11, 10 Oct 74 (Eng)

PROSTAGLANDIN E2 EFFECT

EFFECTS OF PORCINE STALK MEDIAN EMINENCE AND PROSTAGLANDIN E2 ON RAT GROWTH HORMONE SECRETION IN VIVO AND THEIR INHIBITION BY SOMATOSTATIN. Szabo M, Frohman LA *Endocrinology* 96: 955-61, Apr 75 (Eng)

PROSTAGLANDIN H2

INHIBITION OF BASAL AND HORMONE-STIMULATED ADENYLATE CYCLASE IN ADIPOCYTE GHOSTS BY THE PROSTAGLANDIN ENDOPEROXIDE PROSTAGLANDIN H2. Gorman RR, Hamberg M, Samuelsson B *J Biol Chem* 250: 6460-3, 25 Aug 75 (Eng)

Diabetes Literature—Keyword Index

PYRIDINOLCARBAMATE EFFECT

PROSTATE

DIFFERENCES IN PROLIFERATIVE ACTIVITY OF RAT AND HUMAN PROSTATE IN CULTURE. Shipman PA, Littlewood V, Riches AC, Thomas GH *Br J Cancer* 31: 570-80, May 75 (Eng)

PROTEIN

PROCEEDINGS: ON THE NEW INTERPRETATION OF RECOMMENDED INTAKE FOR PROTEIN. Sukhatme PV *Proc Nutr Soc* 33: 36a-37a, Sep 74 (Eng)

STUDIES OF GASTROINTESTINAL INTERACTIONS. VII. CHARACTERISTICS OF THE ABSORPTION PATTERN OF SUGAR, FAT AND PROTEIN FROM COMPOSITE MEALS IN MAN. A QUANTITATIVE STUDY. Johansson C *Scand J Gastroenterol* 10: 33-42, 1975 (Eng)

SLOW AXONAL TRANSPORT OR PROTEINS; BLOCKADE BY INTERRUPTION OF CONTACT BETWEEN CELL BODY AND AXON. Frizell M, McLean WG, Sjostrand J *Brain Res* 86: 67-73, 14 Mar 75 (Eng)

SYNTHESIS AND ASSEMBLY OF HELA CELL PLASMA MEMBRANE GLYCOPROTEINS AND PROTEINS. Atkinson PH *J Biol Chem* 250: 2123-34, 25 Mar 75 (Eng)

[EXPERIMENTAL STUDIES ON CARBOHYDRATE METABOLISM IN THE CORNEA. CHEMICAL ANALYSIS OF PROTEIN AND LIPID CONTENT IN THE RAT CORNEA] Gekka M, Komono M *Acta Soc Ophthalmol Jpn* 78: 1102-6, 10 Oct 74 (Jpn)

BINDING OF CYTOCHALASIN B TO A RED CELL MEMBRANE PROTEIN. Lin S, Spudich JA *Biochem Biophys Res Commun* 61: 1471-6, 23 Dec 74 (Eng)

PROTEIN, BASIC

CELLULAR IMMUNE RESPONSE TO PERIPHERAL NERVE BASIC PROTEIN IN IDIOPATHIC FACIAL PARALYSIS (BELLS Palsy). Abramsky O, Webb C, Teitelbaum D, Arnon R *J Neurol Sci* 26: 13-20, Sep 75 (Eng)

PROTEIN BINDING

[PROCEEDINGS: PROTEIN BINDING OF CORTISOL AND GLUCOSE METABOLISM INHIBITON BY THYMIC CELLS] Senoo H, Niimi M, Matsui N *Folia Endocrinol Jpn* 50: 339, 20 Feb 74 (Jpn)

PROTEIN HORMONE

[STRUCTURE AND PROPERTIES OF HYPOPHYSEAL HORMONES. II. PROTEIN HORMONES OF THE HYPOPHYSIS] Pankov luA *Probl Endokrinol (Mosk)* 20: 104-14, May-Jun 74 (Rus) [78]

PROTEIN KINASE

PHOSPHORYLATION OF ENDOGENOUS SUBSTRATES BY ERYTHROCYTE MEMBRANE PROTEIN KINASES. I. A MONOVALENT CATION-STIMULATED REACTION. Avrukh J, Fairbanks G *Biochemistry* 13: 5507-14, 31 Dec 74 (Eng)

BETA-ADRENERGIC STIMULATION OF CYCLIC AMP AND PROTEIN KINASE ACTIVITY IN THE THYROID. Spaulding SW, Burrow GN *Nature* 254: 347-9, 27 Mar 75 (Eng)

PROTEIN LEVEL

NEUROCHEMICAL CORRELATES OF ALLOXAN DIABETES: I. RIBONUCLEIC ACID AND PROTEIN LEVELS OF AMPHIBIAN BRAIN.

Nayceemunnisa *Experientia* 31: 942-3, 15 Aug 75 (Eng)

PROTEIN, MEMBRANE

MEMBRANE PROTEINS RELATED TO WATER TRANSPORT IN HUMAN ERYTHROCYTES. Brown PA, Feinstein MB, Shaafi RI *Nature* 254: 523-5, 10 Apr 75 (Eng)

PROTEIN METABOLISM

[STUDIES UPON THE EFFECT OF AGE AND NUTRITIONAL FACTORS ON LIPID AND PROTEIN METABOLISM IN INFANTS (AUTHORS TRANSL.)] Gornicki B, Litwin E, Krukowa A, Kleczkowska H, Rodkiewicz B, Kowalczyk Z, Dzieniszewska L, Wachnik Z, Symonowicz H *Probl Med Wieku Rozwoj* 1: 33-70, 1972 (Pol)

PROTEIN, PLASMA

THE EFFECTS OF CAPTURE, STRESS, AND STORAGE OF WHOLE BLOOD ON THE RED BLOOD CELLS, PLASMA PROTEINS, GLUCOSE, AND ELECTROLYTES OF THE WINTER FLOUNDER (PSEUDOPLEURONECTES AMERICANUS). Fletcher GL *Can J Zool* 53: 197-206, Feb 75 (Eng)

PROTEIN, SERUM

[BIOLOGICAL EFFECTS OF GROWTH-INDUCING SERUM PROTEINS ON ADIPOSE TISSUE] Renner R, Hepp KD, Mehner H, Vesper J, Frank W *Verh Dtsch Ges Inn Med* 80: 1222-4, 1974 (Ger)

PROTEIN SYNTHESIS

PROTEIN SYNTHESIS AND AMINO ACID ACCUMULATION DURING DEVELOPMENT IN THE RAT: DISSOCIATION OF DIAPHRAGM AND HEART MUSCLE SENSITIVITY TO INSULIN. Asplund K *Horm Res* 6: 12-9, 1975 (Eng)

UPTAKE OF 3-O-METHYL-14C-D-GLUCOSE BY RAT THYMIC LYMPHOCYTES: INSENSITIVITY TO CORTISOL AND INHIBITORS OF RIBONUCLEIC ACID AND PROTEIN SYNTHESIS, AND SENSITIVITY TO CYTOCHALASIN B. Feldman MJ, Kraetsch RE, Lichtman MA, Peck WA *J Reticuloendothel Soc* 16: 318-26, Dec 74 (Eng)

PROTEINASE

[ACTIVE CENTERS AND THE SUBSTRATE SPECIFICITY OF MIROORGANISM PROTEINASES] Tsyperovich AS, Lysenkov NV, Kolodzeiskaia MV *Usp Sovrem Biol* 77: 18-34, Jan-Feb 74 (Rus) [109]

PROTEIN-BINDING ASSAY

OPTIMAL STATISTICAL DESIGN OF RADIOIMMUNOASSAYS AND COMPETITIVE PROTEIN-BINDING ASSAYS. Chang PC, Rubin RT, Yu M *Endocrinology* 96: 973-81, Apr 75 (Eng)

PROTEOLYTIC ACTIVITY

CATABOLISM OF PROINSULIN AND INSULIN. PROTEOLYTIC ACTIVITIES IN LANGERHANS ISLETS OF RAT AND MICE PANCREAS IN VITRO. Zuhlike H, Jahr H, Schmidt S, Gottschling D, Wilke B, Kanny H, Kaleta C, Pieper I *Acta Biol Med Ger* 33: 407-18, 1974 (Eng)

PROTON

[PROTON AND ELECTRON TRANSPORT THROUGH BILAYER MEMBRANES AND THE DECANE/WATER INTERFACE IN THE PRESENCE OF CHLOROPHYLL] Volkov AG, Loshkin BT, Boguslavskii LI *Dokl Akad Nauk SSSR* 220: 1207-10, 1975 (Rus)

PROTON ELECTROCHEMICAL GRADIENT

THE INFLUENCE OF RESPIRATION AND ATP HYDROLYSIS ON THE PROTON-ELECTROCHEMICAL GRADIENT ACROSS THE INNER MEMBRANE OF RAT-LIVER MITOCHONDRIA AS DETERMINED BY ION DISTRIBUTION. Nicholls DG *Eur J Biochem* 50: 305-15, 16 Dec 74 (Eng)

PSEUDOHYPOPARATHYROIDISM

EFFECT OF CHLORPROPAMIDE ON RENAL RESPONSE TO PARATHYROID HORMONE IN NORMAL SUBJECTS AND IN PATIENTS WITH HYPOPARATHYROIDISM AND PSEUDOHYPOPARATHYROIDISM. Coulson R, Moses AM *J Pharmacol Exp Ther* 194: 603-13, Sep 75 (Eng)

PSEUDOMONAD

POTASSIUM TRANSPORT AND THE RELATIONSHIP BETWEEN INTRACELLULAR POTASSIUM CONCENTRATION AND AMINO ACID UPTAKE BY CELLS OF A MARINE PSEUDOMONAD. Thompson J, MacLeod RA *J Bacteriol* 120: 598-603, Nov 74 (Eng)

PSEUDOMONAD, MARINE

KINETICS OF NAPLUS-DEPENDENT AMINO ACID TRANSPORT USING CELLS AND MEMBRANE VESICLES OF A MARINE PSEUDOMONAD. Sprott GD, Drozdowski JP, Martin EL, MacLeod RA *Can J Microbiol* 21: 43-50, Jan 75 (Eng)

PSYCHODIAGNOSIS

[PSYCHODIAGNOSIS OF JUVENILE DIABETES IN THE INITIAL PHASE] Bruni B, Bruni Bocher K, Bossi L, Fenoglio I, Tonso F *Ann Osp Maria Vittoria Torino* 17: 49-100, Jan-Jun 74 (Ita)

PSYCHOSOCIAL PROBLEM

PSYCHOSOCIAL PROBLEMS IN DIALYZED IDIABETIC PATIENTS. Comty CM, Leonard A, Shapiro FL *Kidney Int [Suppl]* 144-51, Oct 74 (Eng)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: PSYCHOSOCIAL PROBLEMS. Anonymous *Kidney Int [Suppl]* 159-63, Oct 74 (Eng)

PYELONEPHRITIS, CHRONIC

[NON-FUNCTIONING ADRENOCORTICAL CARCINOMA AND FOCAL CHRONIC PYELONEPHRITIS] Yanez AP, Fernandez CJ, Mejias MM, Rojas MT, Velasco FT, Cortina de Luna JL *Rev Clin Exp* 137: 565-70, 30 Jun 75 (Spa)

PYRIDINOLCARBAMATE EFFECT

[EFFECT OF PYRIDINOLCARBAMATE ON LIPID METABOLISM OF NORMAL AND ARTERIOSCLEROTIC INTIMA IN HUMAN FEMORAL ARTERIES] Horsch AK, Gilli J, Schreiter U *Verh Dtsch Ges Inn Med* 80: 952-4, 1974 (Ger)

Diabetes Literature—Keyword Index

PYRUVATE

PYRUVATE

PLACENTAL PRODUCTION AND FOETAL UTILISATION OF LACTATE AND PYRUVATE. Burd LI, Jones MD Jr, Simmons MA, Makowski EL, Meschia G, Battaglia FC *Nature* 254: 710-1, 24 Apr 75 (Eng)

PYRUVATE BLOOD

ACUTE COLD EXPOSURE AND THE METABOLISM OF BLOOD GLUCOSE, LACTATE AND PYRUVATE, AND PLASMA AMINO ACIDS IN THE HIND LEG OF THE FED AND FASTED YOUNG OX. Bell AW, Gardner JW, Manson W, Thompson GE *Br J Nutr* 33: 207-17, Mar 75 (Eng)

RABBIT

ACUTE RENAL INSUFFICIENCY IN THE RABBIT BY GLYCEROL. Gras J, Tuset N, de Vega F, Cisar F, Navarro J, del Valle O *Rev Esp Fisiol* 31: 1-3, Mar 75 (Eng)

COMPARATIVE STUDY OF LIPOLYTIC ACTIVITIES OF RABBIT AND RAT AORTAS AND ARTERIES OF HUMAN UMBILICAL CORD. Stefanovich V, Balogh K *Comp Biochem Physiol* [B] 50: 159-63, 15 Jan 75 (Eng)

PLACENTAL DIFFUSING CAPACITY IN UNANESTHETIZED RABBITS. Rocco E, Bennett TR, Power GG *Am J Physiol* 228: 465-9, Feb 75 (Eng)

RABBIT, NORMOLIPEMIC

REPEATED ENDOTHELIAL INJURY AND INDUCTION OF ATHEROSCLEROSIS IN NORMOLIPEMIC RABBITS BY HUMAN SERUM. Friedman RJ, Moore S, Singal DP *Lab Invest* 32: 404-15, Mar 75 (Eng)

RACEMASE, ALANINE

COUPLING OF ALANINE RACEMASE AND D-ALANINE DEHYDROGENASE TO ACTIVE TRANSPORT OF AMINO ACIDS IN ESCHERICHIA COLI B MEMBRANE VESICLES. Kaczorowski G, Shaw L, Fentes M, Walsh C *J Biol Chem* 250: 2855-65, 25 Apr 75 (Eng)

RADIANT HEAT

[SOME INDICES OF CARBOHYDRATE METABOLISM IN THE TISSUES OF THE EYE UNDER THE INFLUENCE OF SILICON-CONTAINING DUST AND RADIANT HEAT IN EXPERIMENT] Gmyria AI, Antonova AI *Oftalmol Zh* 30: 26-8, 1975 (Rus)

RADIOCINEMATOGRAPHY

[RADIOCINEMATOGRAPHY] Anonymous *Minerva Cardioangi* 22: 391-2, May 74 (Ita)

RADIOIMMUNOASSAY

DOUBLE-ANTIBODY RADIOIMMUNOASSAY OF SERUM INSULIN: EFFECT OF USE OF HORMONE-DEPLETED HUMAN SERUM. Silbert CK, Sawin CT *Clin Chem* 21: 1520-2, Sep 75 (Eng)

OPTIMAL STATISTICAL DESIGN OF RADIOIMMUNOASSAYS AND COMPETITIVE PROTEIN-BINDING ASSAYS. Chang PC, Rubin RT, Yu M *Endocrinology* 96: 973-81, Apr 75 (Eng)

[PROCEEDINGS: RADIOIMMUNOASSAY OF GROWTH HORMONE AND PROLACTIN IN THE CULTURE FLUID DERIVED FROM PITUITARY TUMOR] Idemura R, Ichikawa K, Maeda T, Odagiri E, Suda T *Folia Endocrinol Jpn* 50: 289, 20 Feb 74 (Jpn)

A SENSITIVE, RAPID, AND ECONOMIC RADIOIMMUNOASSAY OF HUMAN GROWTH HORMONE USING ETHANOL-AMMONIUM ACETATE. Saito T, Saxena BB *J Lab Clin Med* 85: 497-504, Mar 75 (Eng)

RADIOIMMUNOLOGIC ASSAY

[EFFECT OF PLOTTING BY EYE OF THE CALIBRATION CURVE IN RADIOIMMUNOLOGIC ASSAYS] Taggi F, Lostia O *Ann Ist Super Sanita* 10: 47-62, 1974 (Ita)

RADIOIMMUNOLOGIC METHOD

[METHODS FOR THE DETERMINATION OF SOMATOTROPIN LEVELS USING THE RADIOIMMUNOLOGIC METHOD] Kracmar P, Hnikova O, Korpancova J, Satrapa T *Cesk Fysiol* 24: 73-7, 1975 (Cze)

RADIORECEPTOR

RADIORECEPTOR-INACTIVE GROWTH HORMONE ASSOCIATED WITH STIMULATED SECRETION IN NORMAL SUBJECTS. Sneed DS, Jacobs LS, Weldon VV, Trivedi BL, Daughaday HJ *Clin Endocrinol Metab* 41: 471-4, Sep 75 (Eng)

RADIORECEPTOR ASSAY

RADIORECEPTOR ASSAY OF INSULIN: COMPARISON OF PLASMA AND PANCREATIC INSULINS AND PROINSULINS. Gavin JR 3d, Kahn CR, Gorden P, Roth J, Neville DM Jr *J Clin Endocrinol Metab* 41: 438-45, Sep 75 (Eng)

[PROCEEDINGS: RADIORECEPTOR ASSAY OF GROWTH HORMONE AND PROLACTIN (2)] Matsuzaki F, Suzuki K *Folia Endocrinol Jpn* 50: 178, 20 Feb 74 (Jpn)

RADIOSENSITIVITY

[ROLE OF HOMEOSTASIS IN ANIMAL RADIOSENSITIVITY] Gravskaia BM, Nechaev IA, Zolotareva NN *Zh Obshch Biol* 36: 135-41, Jan-Feb 1975 (Rus)

RAT, FEMALE

TIME RELATIONSHIPS IN HORMONE RESPONSES: INCREASED OVARIAN LACTIC ACID PRODUCTION IN VITRO AND ESTROGEN PRODUCTION IN VIVO IN IMMATURE FEMALE RATS TREATED WITH PMS. Sashida T, Johnson DC *Biol Reprod* 12: 212-22, Mar 75 (Eng)

RAT, INDIAN BLACK

OBSERVATIONS ON THE INTRINSIC INNERVATION OF THE ISLET OF LANGERHANS OF RATTUS RATTUS RUFESCENS (INDIAN BLACK RAT). Purwar RS *Acta Anat (Basel)* 92: 8-13, 1975 (Eng)

RAT, INDIAN BLACK (RATTUS RATTUS RUFESCENS)

OBSERVATIONS ON THE INTRINSIC INNERVATION OF THE ISLET OF LANGERHANS OF RATTUS RATTUS RUFESCENS (INDIAN BLACK RAT). Purwar RS *Acta Anat (Basel)* 92: 8-13, 1975 (Eng)

RAT, SAND

HYPERINSULINEMIA, INSULIN RESISTANCE AND CATARACT FORMATION IN SAND RATS. Gutman A, Andreus A, Adler JH *Isr J Med Sci* 11: 714-22, Jul 75 (Eng)

RATTUS RATTUS RUFESCENS

OBSERVATIONS ON THE INTRINSIC INNERVATION OF THE ISLET OF LANGERHANS OF RATTUS RATTUS RUFESCENS (INDIAN BLACK RAT). Purwar RS *Acta Anat (Basel)* 92: 8-13, 1975 (Eng)

RECEPTOR

SYMPOSIUM III: HORMONES AND HORMONE RECEPTORS. A MORPHOLOGICAL APPROACH TO SURFACE RECEPTORS IN ISLET AND LIVER CELLS. Orci L, Rufener C, Malaisse-Lagae F, Blondel B, Amherdt M, Bataille D, Freychet P, Perrelet A *Isr J Med Sci* 11: 639-55, Jul 75 (Eng)

RECEPTOR BINDING

NONSUPPRESSIBLE INSULIN-LIKE ACTIVITY: BIOLOGICAL ACTIVITY AND RECEPTOR BINDING. Zapf J, Mader M, Waldvogel M, Froesch ER *Isr J Med Sci* 11: 664-78, Jul 75 (Eng)

RED BLOOD CELL

THE EFFECTS OF CAPTURE, STRESS, AND STORAGE OF WHOLE BLOOD ON THE RED BLOOD CELLS, PLASMA PROTEINS, GLUCOSE, AND ELECTROLYTES OF THE WINTER FLOUNDER (PSEUDOPLEURONECTES AMERICANUS). Fletcher GL *Can J Zool* 53: 197-206, Feb 75 (Eng)

RED CELL

RED CELL 2, 3-DIPHOSPHOGLYCERATE LEVELS AMONG DIABETIC PATIENTS WITH AND WITHOUT VASCULAR COMPLICATIONS. Kanter Y, Bessman SP, Bessman A *Diabetes* 24: 724-9, Aug 75 (Eng)

RED CELL MEMBRANE

BINDING OF CYTOCHALASIN B TO A RED CELL MEMBRANE PROTEIN. Lin S, Spudich JA *Biochem Biophys Res Commun* 61: 1471-6, 23 Dec 74 (Eng)

RED CELL MEMBRANE, HUMAN

ORGANIZATION OF ENZYMES OF GLYCOLYSIS AND OF GLUTATHIONE METABOLISM IN HUMAN RED CELL MEMBRANES. Tillman W, Cordua A, Schroter W *Biochim Biophys Acta* 382: 157-71, 13 Mar 75 (Eng)

[EFFECT OF PROSCILLARIDIN ON ACTIVE CATION TRANSPORT ACROSS HUMAN RED CELL MEMBRANE (AUTHORS TRANSL)] Nishida H, Saito H, Kawaguchi M *Hokkaido J Med Sci* 49: 235-9, May 74 (Jpn)

REDUCING DIET

[LETTER: RESTRICTION OF FAT OR CARBOHYDRATES IN REDUCING DIET] Mehnert H *Med Klin* 70: 488, 14 Mar 75 (Ger)

REDUCTASE ACTIVITY

[EFFECT OF LIPIDS ON LIVER MICROSOMAL MEMBRANES. (1) STUDIES OF A RELATIONSHIP BETWEEN DELIPIDATION OF LIVER MICROSOMES WITH THE VARIOUS ORGANIC SOLVENTS AND CYTOCHROME C REDUCTASE ACTIVITY LINKED TO REDUCED NICOTINAMIDE ADENINE DINUCLEOTIDE (AUTHORS TRANSL)] Ozaki S *Hokkaido J Med Sci* 49: 326-36, Jul 74 (Jpn)

Diabetes Literature—Keyword Index

REDUCTASE, NADH CYTOCHROME C

[EFFECT OF LIPIDS ON LIVER MICROSOMAL MEMBRANES. (3) STUDIES ON THE EFFECT OF LIPID MICELLES ON THE RECONSTITUTED SYSTEMS OF NADH-CYTOCHROME C REDUCTASE (AUTHORS TRANSL)] Ozaki S *Hokkaido J Med Sci* 49: 347-55, Jul 74 (Jpn)

REGRESSION

REGRESSION OF ESTABLISHED NATURAL ATHEROSCLEROTIC LESIONS BY INTESTINAL BYPASS SURGERY IN PIGEONS: STRUCTURE AND CHEMISTRY. Kottke BA, Unni KK, Carlo IA, Subbiah MT *Trans Assoc Am Physicians* 87: 263-70, 1974 (Eng)

REGULATION MECHANISM

INSULIN--THE SIPHON REGULATOR. Bargman GJ *Wis Med J* 74: 93-4, Aug 75 (Eng)

[PROCEEDINGS: REGULATORY MECHANISM OF GROWTH HORMONE SECRETION IN RATS] Chihara K, Daigo K, Maeda K, Kato Y, Imura H *Folia Endocrinol Jpn* 50: 271, 20 Feb 74 (Jpn)

REHABILITATION

SOCIAL AND PSYCHOLOGICAL REHABILITATION OF THE DIABETIC TRANSPLANT PATIENT. Simmons RG, Schilling KJ *Kidney Int [Suppl]* 152-8, Oct 74 (Eng)

REHABILITATION RESULT

MORTALITY, MORBIDITY AND REHABILITATION RESULTS IN REGULARLY DIALYZED PATIENTS WITH DIABETES MELLITUS. Shapiro FL, Leonard A, Comty CM *Kidney Int [Suppl]* 8-14, Oct 74 (Eng)

RELEASE INHIBITING FACTOR

[PROCEEDINGS: SOMATOTROPIN-RELEASE INHIBITING FACTOR] Kaneko T, Oka H, Munemura M, Oda T, Yamashita K *Folia Endocrinol Jpn* 50: 270, 20 Feb 74 (Jpn)

RELEASING HORMONE

[PROCEEDINGS: PITUITARY HORMONE RESPONSE TO SERIAL INJECTIONS OF RELEASING HORMONE. 2] Nakagawa M *Folia Endocrinol Jpn* 50: 101, 20 Feb 74 (Jpn)

[PROCEEDINGS: ACTION OF RELEASING HORMONES ON VARIOUS ANTERIOR PITUITARY HORMONE SECRETION: ACROMEGALY] Miyai K, Onishi T, Hashimoto T, Sawazaki N, Hosokawa M *Folia Endocrinol Jpn* 50: 275, 20 Feb 74 (Jpn)

REMISSION

SPONTANEOUS REMISSION OF THE NEPHROTIC SYNDROME IN DIABETIC NEPHROPATHY. Pabico RC, Panner BJ, McKenna BA, Freeman RB *Am J Med* 59: 434-43, Sep 75 (Eng)

RENAL CORTEX

[NADP- AND NAD-MALATE DEHYDROGENASE IN THE LIVER AND RENAL CORTEX AND HORMONAL REGULATION OF ITS ACTIVITY] Tsoncheva AV *Eksp Med Morfol* 13: 89-95, 1974 (Bul)

RENAL FAILURE

MAGNITUDE OF THE RENAL FAILURE PROBLEM IN DIABETIC PATIENTS. Knowles HC Jr *Kidney Int [Suppl]* 2-7, Oct 74 (Eng) [34]

RENAL GLOMERULUS

BASEMENT MEMBRANE COLLAGEN OF RENAL GLOMERULUS. Daniels JR, Chu GH J *Biol Chem* 250: 3531-7, 10 May 75 (Eng)

RENAL INSUFFICIENCY

INSULIN AND GLUCOSE METABOLISM IN RENAL INSUFFICIENCY. Reaven GM, Weisinger JR, Swenson RS *Kidney Int [Suppl]* 63-9, Oct 74 (Eng) [39]

ACUTE RENAL INSUFFICIENCY IN THE RABBIT BY GLYCEROL. Gras J, Tuset N, de Vega F, Cisar F, Navarro J, del Valle O *Rev Esp Fisiol* 31: 1-3, Mar 75 (Eng)

RENAL VEIN THROMBOSIS

[RENAL VEIN THROMBOSIS IN THE NEW-BORN INFANT. Demarquez JL, Tavernier J, Babin JP, de Cacqueray C, Auzeur J, Allain D, Martin C *Arch Fr Pediatr* 32: 381-92, Apr 75 (Fre)

RENIN, PLASMA

PLASMA RENIN ACTIVITY IN JUVENILE DIABETES MELLITUS AND EFFECT OF DIAZOXIDE. Gossain VV, Werk EE, Sholiton LJ, Srivastava L, Knowles HC Jr *Diabetes* 24: 833-5, Sep 75 (Eng)

[PLASMA NORADRENALINE AND ADRENALINE, PLASMA RENIN ACTIVITY AND CYCLIC AMP DURING REST PERIOD AND ORTHOSTATIS IN VARIOUS TYPES OF HYPERTENSION] Brecht HM, Musil HA, Vlachoyannis J, Schoeppe W *Verh Dtsch Ges Inn Med* 80: 245-8, 1974 (Ger)

RESPIRATION

THE INFLUENCE OF RESPIRATION AND ATP HYDROLYSIS ON THE PROTON-ELECTROCHEMICAL GRADIENT ACROSS THE INNER MEMBRANE OF RAT-LIVER MITOCHONDRIA AS DETERMINED BY ION DISTRIBUTION. Nicholls DG *Eur J Biochem* 50: 305-15, 16 Dec 74 (Eng)

REST PERIOD

[PLASMA NORADRENALINE AND ADRENALINE, PLASMA RENIN ACTIVITY AND CYCLIC AMP DURING REST PERIOD AND ORTHOSTATIS IN VARIOUS TYPES OF HYPERTENSION] Brecht HM, Musil HA, Vlachoyannis J, Schoeppe W *Verh Dtsch Ges Inn Med* 80: 245-8, 1974 (Ger)

RETICULAR FIBER, RETINA

PERIVASCULAR AND INTERVASCULAR RETICULAR FIBERS OF THE RETINA. Ashton N, Tripathi R *Am J Ophthalmol* 80: 337-50, Sep 75 (Eng)

RETINA

PERIVASCULAR AND INTERVASCULAR RETICULAR FIBERS OF THE RETINA. Ashton N, Tripathi R *Am J Ophthalmol* 80: 337-50, Sep 75 (Eng)

CYCLIC NUCLEOTIDE METABOLISM IN THE RETINA. Bensinger RE, Podos SM *Invest Ophthalmol* 14: 263-6, Apr 75 (Eng)

RHODOTORULA GLUTINIS

RETINA, VERTEBRATE

FREE FATTY ACIDS, DIACYL- AND TRIACYL-GLYCEROLS AND TOTAL PHOSPHOLIPIDS IN VERTEBRATE RETINA: COMPARISON WITH BRAIN, CHOROID AND PLASMA. Avelkano MI, Bazan NG *J Neurochem* 23: 1127-35, Dec 74 (Eng)

RETINAL DEGENERATION

[FAVORABLE RESULTS OF ANABOLIC THERAPY IN CASES OF RETINAL DEGENERATION] Sobieska-Clarowa H *Klin Oczna* 45: 811-4, Jul 75 (Pol)

RETINAL DETACHMENT

GENETICS AND RETINAL DETACHMENT. Deutman AF *Mod Probl Ophthalmol* 15: 22-33, 1975 (Eng)

RETINAL METABOLISM

PROCEEDINGS: A NEW SYSTEM FOR STUDYING RETINAL METABOLISM IN SITU. Tsacopoulos M, Baker R, Levy S *Exp Eye Res* 20: 184, Feb 75 (Eng)

RETINOPATHY

NEUROPATHY, RETINOPATHY AND BIOPSY FINDINGS IN TRANSPLANTED KIDNEY IN DIABETIC PATIENTS. Barbosa J, Burke B, Buselmeier TJ, Carpenter AM, Goetz FC, Harris J, Kennedy WR, Kjellstrand CM, Michael AF, Najarian JS, Recker L *Kidney Int [Suppl]* 32-6, Oct 74 (Eng)

RETINOPATHY, DIABETIC

EDITORIAL: INTRAVASCULAR FACTORS IN DIABETIC RETINOPATHY. Vaisrub S *JAMA* 233: 1303, 22 Sep 75 (Eng)

VITRECTOMY IN THE TREATMENT OF SEVERE DIABETIC RETINOPATHY, WITH FOLLOW-UP. Mandelcorn M, Machemer R *Mod Probl Ophthalmol* 15: 226, 1975 (Eng)

[LIGHT COAGULATION OF DIABETIC RETINOPATHY] Leuenberger AE *Mod Probl Ophthalmol* 15: 307-12, 1975 (Ger)

[DIABETIC RETINOPATHY] Gerritzen FM *Ned Tijdschr Geneesk* 119: 964-9, 14 Jun 75 (Dut)

PATHOGENESIS OF DIABETIC RETINOPATHY. Oberman AE *Trans Pac Coast Ophthalmol Soc* 55: 167-77, 1974 (Eng) [21]

RETINOPATHY, PIGMENTARY

[CLINICO-NEUROLOGIC AND ELECTROMYOGRAPHIC STUDIES OF PATIENTS WITH INITIAL ISOLATED PIGMENTARY RETINOPATHY] Muller-Jensen A, Eickhoff W, Hellner KA *Ophthalmologica* 170: 505-17, 1975 (Ger)

RHESUS MONKEY

[PROCEEDINGS: EFFECT OF PITUITARY STALK SECTION ON GROWTH HORMONE AND CORTISOL SECRETION IN RHESUS MONKEY] Kuwayama A, Shintani A, Kageyama N, Zervas NT *Folia Endocrinol Jpn* 50: 280, 20 Feb 74 (Jpn)

RHODOTORULA GLUTINIS

HEXOSE KINASES FROM RHODOTORULA GLUTINIS. IDENTIFICATION AND PROPERTIES OF AN HEXOKINASE AND A GLUCOKINASE. Mazon MJ, Gancedo JM, Gancedo C *Arch Biochem Biophys* 167: 452-7, Apr 75 (Eng)

Diabetes Literature—Keyword Index

RHYTHM

RHYTHM

BIOLOGICAL RHYTHMS. Halberg F *Adv Exp Med Biol* 54: 1-41, 1975 (Eng)

RIBONUCLEASE EFFECT

EFFECTS OF RIBONUCLEASE A ON AMINO ACID TRANSPORT IN NEUROSPORA CRASSA. Stuart WD, Woodward DO *J Bacteriol* 122: 41-6, Apr 75 (Eng)

RIBONUCLEIC ACID

NEUROCHEMICAL CORRELATES OF ALLOXAN DIABETES: I. RIBONUCLEIC ACID AND PROTEIN LEVELS OF AMPHIBIAN BRAIN. Nayeemunnisa *Experientia* 31: 942-3, 15 Aug 75 (Eng)

UPTAKE OF 3-O-METHYL-14C-D-GLUCOSE BY RAT THYMIC LYMPHOCYTES: INSENSITIVITY TO CORTISOL AND INHIBITORS OF RIBONUCLEIC ACID AND PROTEIN SYNTHESIS, AND SENSITIVITY TO CYTOCHALASIN B. Feldman MJ, Kraetsch RE, Lichtman MA, Peck WA *J Reticuloendothel Soc* 16: 318-26, Dec 74 (Eng)

RISK FACTOR

ASSESSING INCIDENCE AND RISK FACTORS IN MYOCARDIAL INFARCTION. Librach G, Schadel M, Seltzer M, Hart A *Geriatrics* 30: 79-82, 89-93, Sep 75 (Eng)

[RISK FACTOR HYPERLIPIDEMIA: CLINICAL ASPECTS AND THERAPY] Gries FA *Med Welt* 26: 1590-7, 3 Sep 75 (Ger)

[RISK FACTORS OF CORONARY HEART DISEASES IN HOSPITALIZED PSYCHIC PATIENTS] Schwab H *Munch Med Wochenschr* 117: 1181-8, 11 Jul 75 (Ger)

[SIGNIFICANCE OF THE OBESITY RISK FACTOR IN OLD AGE] Ries W *Z Alternsforsch* 28: 145-52, 1974 (Ger)

RISK FACTORS FOR MYOCARDIAL INFARCTION AND DEATH DUE TO ISCHEMIC HEART DISEASE AND OTHER CAUSES. Tibblin G, Wilhelmsen L, Werko L *Am J Cardiol* 35: 154-22, Apr 75 (Eng)

ROTO-EXTRACTOR

MICROSURGICAL ROTO-EXTRACTOR INSTRUMENT FOR VITRECTOMY. Douvas NG *Mod Probl Ophthalmol* 15: 253-60, 1975 (Eng)

ROUGHAGE

EFFECT OF HIGH AMBIENT TEMPERATURE AND LOW HUMIDITY ON NUTRIENT UTILIZATION AND ON SOME PHYSIOLOGICAL RESPONSES IN AWASI SHEEP FED DIFFERENT LEVELS OF ROUGHAGE. Bhattacharya AN, Uwayjan M *J Anim Sci* 40: 320-8, Feb 75 (Eng)

ROUGHAGE DIET

APPETITE AND INSULIN-METABOLITE HARMONY IN PORTAL BLOOD OR SHEEP FED HIGH OR LOW ROUGHAGE DIET WITH OR WITHOUT INTRARUMINAL INFUSION OF VFA. Bhattacharya AN, Alulu M *J Anim Sci* 41: 225-33, Jul 75 (Eng)

EFFECTS UPON GLUCOSE METABOLISM OF FEEDING A LOW- OR HIGH-ROUGHAGE DIET AT TWO LEVELS OF INTAKE TO SHEEP. Evans E, Buchanan-Smith JG *Br J Nutr* 33: 33-44, Jan 75 (Eng)

SACCHARIN

EDITORIAL: SAFETY OF SACCHARIN—THE PRESENT STATUS. Anonymous *Ceylon Med J* 19: 129-30, Dec 74 (Eng)

SACCHARINE DISEASE

HOSPITAL MORBIDITY IN THE FIJI ISLANDS WITH SPECIAL REFERENCE TO THE SACCHARINE DISEASE. Sorokin M *S Afr Med J* 49: 1481-5, 23 Aug 75 (Eng)

SALIVARY ALTERATION

SALIVARY ALTERATIONS IN DIABETES MELLITUS. Marder MZ, Abelson DC, Mandel ID *J Periodontol* 46: 567-9, Sep 75 (Eng)

SALIVARY GLAND

ACTIVITIES OF SOME GLYCOLYTIC ENZYMES IN THE MAJOR SALIVARY GLANDS OF SOME LABORATORY ANIMALS. Nicolau J, Lansac MC, Rosa R, Pedrosa FI, Leal A *Comp Biochem Physiol [A]* 47: 399-402, 1 Feb 74 (Eng)

SALMONELLA ENTEROCOLITIS

DISACCHARIDE HYDROLYSIS, INTESTINAL ABSORPTION AND ELECTROGENIC PROPERTIES IN SALMONELLA ENTEROCOLITIS IN MICE. Madge DS *Digestion* 11: 25-38, 1974 (Eng)

SALT EFFECT

PURIFICATION OF HUMAN PLACENTAL ALKALINE PHOSPHATASE. SALT EFFECTS IN AFFINITY CHROMATOGRAPHY. Doellgast GJ, Fishman WH *Biochem J* 141: 103-12, Jul 74 (Eng)

SATURATED FAT

PLASMA LIPID LEVELS IN DIABETIC CHILDREN. EFFECT OF DIET RESTRICTED IN CHOLESTEROL AND SATURATED FATS. Kaufmann RL, Assal JPh, Soeldner JS, Wilmschurst EG, Lemaire JR, Gleason RE, White P *Diabetes* 24: 672-9, Jul 75 (Eng)

SCANNING ELECTRON MICROSCOPE

A SCANNING AND STEREOPHOTOGRAPHIC ULTRASTRUCTURAL ANALYSIS OF THE ISOLATED INNER MITOCHONDRIAL MEMBRANE DURING CHANGE IN METABOLIC ACTIVITY. Andrews PM, Hackenbrock CR *Exp Cell Res* 90: 127-36, Jan 75 (Eng)

SCANNING ELECTRON MICROSCOPIC OBSERVATIONS OF ENDOTHELIAL CHANGES IN EXPERIMENTALLY INDUCED ATHEROMATOSIS OF RABBIT AORTAS. de Bruijn WC, van Mourik W *Virchows Arch [Pathol Anat]* 365: 23-40, 1975 (Eng)

SCHIZOPHRENIA

[SOME CHARACTERISTICS OF THE PERIPHERAL MICROCIRCULATION AND CAPILLARY PERMEABILITY IN SCHIZOPHRENIA] Smirnov VK *Zh Nevropatol Psikhiatr* 74: 406-12, 1974 (Rus)

SCIATIC NERVE, RABBIT

DECREASE IN MYELIN CONTENT OF RABBIT SCIATIC NERVE WITH AGING AND DIABETES. Spritz N, Singh H, Marinaro B *Diabetes* 24: 680-3, Jul 75 (Eng)

SEA NETTLE EFFECT

EFFECTS OF SEA NETTLE TOXIN ON GLUCOSE TRANSPORT IN HAMSTER INTESTINE. Watrous J, Dubyak G, Sawula B *Toxicol* 12: 657-8, Dec 74 (Eng)

SECRETIN

GASTRIC OPERATIONS AND GLUCOSE HOMEOSTASIS. II. GLUCAGON AND SECRETIN. Breuer RI, Zuckerman L, Hauch TW, Green W, OGara P, Lawrence AM, Foa PP, Matsuyama T *Gastroenterology* 69: 598-606, Sep 75 (Eng)

INTERACTIONS OF GLUCAGON, GUT GLUCAGON, VASOACTIVE INTESTINAL POLYPEPTIDE AND SECRETIN WITH THEIR MEMBRANE RECEPTORS. Bataille D, Rosselin G, Freychet P *Isr J Med Sci* 11: 687-92, Jul 75 (Eng)

SECRETION

EFFECT OF PHYSICAL EXERCISE ON SECRETION OF GROWTH HORMONE, GLUCAGON, AND CORTISOL IN OBESSE AND DIABETIC CHILDREN. Garlaschi C, di Natale B, del Guercio MJ, Caccamo A, Gargantini L, Chiumello G *Diabetes* 24: 758-61, Aug 75 (Eng)

C3-SEPHAROSE

STIMULATION OF GLUCOSE OXIDATION IN HUMAN POLYMORPHONUCLEAR LEUCOCYTES BY C3-SEPHAROSE AND SOLUBLE C567. Tedesco F, Trani S, Soranzo MR, Patriarca P *FEBS Lett* 51: 232-6, 1 Mar 75 (Eng)

SEROSAL BORDER, RABBIT ILEUM

GALACTOSE TRANSPORT ACROSS THE SEROSAL BORDER OF RABBIT ILEUM AND ITS ROLE IN INTRACELLULAR ACCUMULATION. Holman GD, Naftalin RJ *Biochim Biophys Acta* 382: 230-45, 13 Mar 75 (Eng)

SEROTONIN

NEW ASPECTS OF THE ROLE OF SEROTONIN IN THE INSULIN RELEASE MECHANISM. Barath P *Acta Diabetol Lat* 11: 315-29, Jul-Aug 74 (Eng)

THE INFLUENCE OF SEROTONIN ON INSULIN-STIMULATED GASTRIC SECRETION, BLOOD GLUCOSE AND SERUM ELECTROLYTE LEVELS IN THE UNANESTHETIZED RAT. Hano J, Bugajski J, Danek L, Wantuch C *Arch Int Pharmacodyn Ther* 216: 28-39, Jul 75 (Eng)

SERUM

THE EFFECTS OF HIGH TREATMENT ON SOMATOMEDIN LEVELS IN THE SERUM (AS DETERMINED BY 35-S UPTAKE INTO CARTILAGE). Schimpff RM, Donnadiou M, Gournelen M, Girard F *Horm Metab Res* 6: 494-8, Nov 74 (Eng)

SERUM, HUMAN

DOUBLE-ANTIBODY RADIOIMMUNOASSAY OF SERUM INSULIN: EFFECT OF USE OF HORMONE-DEPLETED HUMAN SERUM. Silbert CK, Sawin CT *Clin Chem* 21: 1520-2, Sep 75 (Eng)

REPEATED ENDOTHELIAL INJURY AND INDUCTION OF ATHEROSCLEROSIS IN NORMOLIPEMIC RABBITS BY HUMAN SERUM. Friedman RJ, Moore S, Singal DP *Lab Invest* 32: 404-15, Mar 75 (Eng)

Diabetes Literature—Keyword Index

SERUM INSULIN, DEPRESSION

LETTER: DEPRESSION OF SERUM INSULIN BY SOMATOSTATIN. Berger M, Berchtold P N *Engl J Med* 293: 723, 2 Oct 75 (Eng)

SEX DIFFERENCE

[PROCEEDINGS: FLUCTUATION OF GROWTH HORMONE LEVELS IN THE BLOOD CAUSED BY EXERCISES WITH SPECIAL REFERENCE TO SEX DIFFERENCES] Ino T, Tokoro A, Iki Y, Sugimoto T, Umehara C *Folia Endocrinol Jpn* 50: 281, 20 Feb 74 (Jpn)

SEX STEROID

SEX STEROID INFLUENCE ON TRIGLYCERIDE METABOLISM. Kim HJ, Kalkhoff RK *J Clin Invest* 56: 888-96, Oct 75 (Eng)

REQUIREMENTS FOR DIVALENT CATIONS BY HORMONAL MITOGENS AND THEIR INTERACTIONS WITH SEX STEROIDS. Morgan JI, Hall AK, Perris AD *Biochem Biophys Res Commun* 66: 188-94, 2 Sep 75 (Eng)

SHEEP

APPETITE AND INSULIN-METABOLITE HARMONY IN PORTAL BLOOD OR SHEEP FED HIGH OR LOW ROUGHAGE DIET WITH OR WITHOUT INTRARUMINAL INFUSION OF VFA. Bhattacharya AN, Alulu M *J Anim Sci* 41: 225-33, Jul 75 (Eng)

PROCEEDINGS: THE EFFECT OF CASEIN AND AMINO ACIDS ON GLUCOSE SYNTHESIS IN SHEEP. Lindsay DB, Dyke C *Proc Nutr Soc* 33: 39a-40a, Sep 74 (Eng)

EFFECTS UPON GLUCOSE METABOLISM OF FEEDING A LOW- OR HIGH-ROUGHAGE DIET AT TWO LEVELS OF INTAKE TO SHEEP. Evans E, Buchanan-Smith JG *Br J Nutr* 33: 33-44, Jan 75 (Eng)

EFFECT OF HIGH AMBIENT TEMPERATURE AND LOW HUMIDITY ON NUTRIENT UTILIZATION AND ON SOME PHYSIOLOGICAL RESPONSES IN AWASI SHEEP FED DIFFERENT LEVELS OF ROUGHAGE. Bhattacharya AN, Uwayjan M *J Anim Sci* 40: 320-8, Feb 75 (Eng)

SHOCK

EDITORIAL: GLUCAGON AND SHOCK. Vaisrub S *JAMA* 233: 1195, 15 Sep 75 (Eng)

[REVERSIBLE AND IRREVERSIBLE HEMORRHAGIC SHOCK IN RATS. METHODS AND RESULTS OF A STANDARDIZED SHOCK MODEL (AUTHORS TRANSL)] Flenker H, Greupner E *Beitr Pathol* 153: 339-52, 1974 (Ger)

SIALIC ACID

SOME BIOLOGICAL FUNCTIONS OF ANIMAL CELL SURFACE SIALIC ACID RESIDUES. Porwit-Bohr Z, Slowik M *Folia Histochem Cytochem (Krakow)* 12: 335-41, 1974 (Eng) [73]

SIBLING

[BLOOD GLUCOSE AND IMMUNOREACTIVE INSULIN IN CHILDREN WITH DIABETIC SIBLINGS AND DIABETIC MOTHERS (AUTHORS TRANSL)] Waldhausl W, Rosenkranz A, Dudczak R *Z Kinderheilkd* 120: 59-68, 1 Jul 75 (Ger)

[PROCEEDINGS: ISOLATED GROWTH HORMONE DEFICIENCY IN 2 SETS OF SIBLINGS] Ichikawa K, Idemura R, Takano K,

Odagiri E, Maeda T *Folia Endocrinol Jpn* 50: 628, 20 Feb 74 (Jpn)

SILICON CONTAINING DUST

[SOME INDICES OF CARBOHYDRATE METABOLISM IN THE TISSUES OF THE EYE UNDER THE INFLUENCE OF SILICON-CONTAINING DUST AND RADIANT HEAT IN EXPERIMENT] Gmyria AI, Antonova AI *Oftalmol Zh* 30: 26-8, 1975 (Rus)

BETA-SITOSTEROL

[THE ACTION OF BETA-SITOSTEROL ON THE METABOLISM OF CHOLESTEROL (AUTHORS TRANSL)] Weizel A *Med Klin* 70: 242-6, 7 Feb 75 (Ger)

SKIN

PROCEEDINGS: THE EFFECT OF A HIGH-CARBOHYDRATE DIET ON SKIN LIPOGENESIS IN THE RAT. Rebello T, Macdonald I *Proc Nutr Soc* 33: 52a-53a, Sep 74 (Eng)

SKIN, FROG

[THE EFFECT OF CATECHOLAMINES ON SODIUM TRANSPORT IN THE SKIN OF FROGS] Kuzmin OB *Farmakol Toksikol* 38: 64-6, Jan-Feb 75 (Rus)

SKINFOLD THICKNESS

A RELATIONSHIP BETWEEN SKINFOLD THICKNESS AND SERUM TRIGLYCERIDE CONCENTRATION. Williams DR *Guys Hosp Rep* 122: 331-3, 1973 (Eng)

SLEEP

UNDER-RESPONSIVENESS OF GROWTH HORMONE SECRETION AFTER L-DOPA AND DEEP SLEEP STIMULATION IN OBESE SUBJECTS. Laurian L, Oberman Z, Ayalon D, Cordova T, Herzberg M, Horer E, Harell A *Isr J Med Sci* 11: 482-7, May 75 (Eng)

SLEEP DEPRIVATION

[PROCEEDINGS: ONE NIGHT SLEEP DEPRIVATION IN DEPRESSION AND CIRCADIAN RHYTHM IN BLOOD CORTISOL LEVEL] Yamaguchi N, Maeda K, Yoshimoto N, Sakamoto N, Miyazaki R *Folia Endocrinol Jpn* 50: 333, 20 Feb 74 (Jpn)

SLEEP INTERRUPTION

[PROCEEDINGS: GROWTH HORMONE (CGH) SECRETION IN THE DOG DURING SLEEPING. 3. THE EFFECT OF LIGHT, DARKNESS AND SLEEP INTERRUPTION] Takahashi K, Takahashi Y, Hoda H, Tsushima T, Irie M *Folia Endocrinol Jpn* 50: 273, 20 Feb 74 (Jpn)

SLEEP METABOLISM

SLEEP METABOLISM AND AGE. Webb P, Hiestand M *J Appl Physiol* 38: 257-62, Feb 75 (Eng)

SLEEPING, DOG

[PROCEEDINGS: GROWTH HORMONE (CGH) SECRETION IN THE DOG DURING SLEEPING. 3. THE EFFECT OF LIGHT, DARKNESS AND SLEEP INTERRUPTION] Takahashi K, Takahashi Y, Hoda H, Tsushima T, Irie M *Folia Endocrinol Jpn* 50: 273, 20 Feb 74 (Jpn)

SODIUM ION

SLIME MOULD (DICTYOSTELIUM DISCOIDEUM)

AN ANALYSIS OF THE KINETIC POSITIONS HELD BY FIVE ENZYMES OF CARBOHYDRATE METABOLISM IN DICTYOSTELIUM DISCOIDEUM. Wright BE, Park DJ *J Biol Chem* 250: 2219-26, 25 Mar 75 (Eng)

EFFECTS OF PROGESTERONE AND EDTA ON CYCLIC AMP AND PHOSPHODIESTERASE IN DICTYOSTELIUM DISCOIDEUM. Klein C, Brachet P *Nature* 254: 432-4, 3 Apr 75 (Eng)

SMALL INTESTINE, RAT

IN VIVO D-GLUCOSE ABSORPTION IN THE DEVELOPING RAT SMALL INTESTINE. Younszai MK, Lynch A *Pediatr Res* 9: 130-3, Mar 75 (Eng)

SOCIAL REHABILITATION

SOCIAL AND PSYCHOLOGICAL REHABILITATION OF THE DIABETIC TRANSPLANT PATIENT. Simmons RG, Schilling KJ *Kidney Int [Suppl]* 152-8, Oct 74 (Eng)

SOCIOMEDICAL PROBLEM

[ACUTE SITUATIONS AND SOCIOMEDICAL PROBLEMS IN DIABETES MELLITUS] Petrides P *Med Welt* 26: 1582-5, 5 Sep 75 (Ger)

SODIUM

CONTROL OF CARDIAC SARCOLEMMA ADENYLATE CYCLASE AND SODIUM, POTASSIUM-ACTIVATED ADENOSINETRIPHOSPHATASE ACTIVITIES. Tada M, Kirchberger MA, Iorio JM, Katz AM *Circ Res* 36: 8-17, Jan 75 (Eng)

SODIUM ABSORPTION

[RELATION BETWEEN GLUCOSE AND SODIUM ABSORPTION IN RENAL GLYCOSURIA (AUTHORS TRANSL)] Pav J, Sperl M *Cas Lek Cesk* 114: 939-41, 25 Jul 75 (Cze)

STIMULATION OF ACTIVE AND PASSIVE SODIUM ABSORPTION BY SUGARS IN THE HUMAN JEJUNUM. Fordtran JS *J Clin Invest* 55: 728-37, Apr 75 (Eng)

SODIUM CHANNEL

[PERMEABILITY OF THE SODIUM CHANNEL OF BIOMEMBRANES IN THE PRESENCE OF A FIXED ANION CENTER] Altian SKh, Chizmadzhev IaA *Dokl Akad Nauk SSSR* 220: 1203-6, 1975 (Rus)

AN ESSENTIAL IONIZED ACID GROUP IN SODIUM CHANNELS. Hille B *Fed Proc* 34: 1318-21, Apr 75 (Eng)

SODIUM ION

HORMONE ACTION AND MEMBRANE FLUIDITY: EFFECT OF INSULIN AND CORTISOL ON THE HILL COEFFICIENTS OF RAT ERYTHROCYTE MEMBRANE-BOUND ACETYLCHOLINESTERASE AND (NA& & K&)-ATPASE. Massa EM, Morero RD, Bloj B, Farias RN *Biochem Biophys Res Commun* 66: 115-22, 2 Sep 75 (Eng)

EFFECT OF ETHANOL AND ACETALDEHYDE ON THE (NA& & K&)-ACTIVATED ADENOSINE TRIPHOSPHATASE ACTIVITY OF CARDIAC PLASMA MEMBRANES. Williams JW, Tada M, Katz AM, Rubin E *Biochem Pharmacol* 24: 27-32, 1 Jan 75 (Eng)

[INTERACTION OF NA&, K&-ATPASE WITH OUBAIN] Nazarenko VI *Ukr Biokhim Zh* 46: 531-43, Jul-Aug 74 (Rus) [97]

Diabetes Literature—Keyword Index

SODIUM PUMP

SODIUM PUMP

THE SODIUM PUMP. Glynn IM, Karlsh SJ *Annu Rev Physiol* 37: 13-55, 1975 (Eng)

SODIUM RETENTION

OBSERVATIONS ON SODIUM RETENTION RELATED TO INSULIN TREATMENT OF EXPERIMENTAL DIABETES. Blumenthal SA *Diabetes* 24: 645-9, Jul 75 (Eng)

SOMATOMEDIN

SOMATOMEDINS. Van den Brande JL, Van Buul S *Isr J Med Sci* 11: 693-8, Jul 75 (Eng) [38]

ENHANCEMENT OF SOMATOMEDIN TITERS OF NORMAL AND HYPOPHYSECTOMIZED SERA BY ADDITION OF L-TRITHODOTHYRONONE IN VITRO AT PHYSIOLOGICAL CONCENTRATIONS. Audhya TK, Gibson KD *Proc Natl Acad Sci USA* 72: 604-8, Feb 75 (Eng)

THE EFFECTS OF HGH TREATMENT ON SOMATOMEDIN LEVELS IN THE SERUM (AS DETERMINED BY 35-S UPTAKE INTO CARLITAGE). Schimpff RM, Donnadieu M, Gourmelen M, Girard F *Horm Metab Res* 6: 494-8, Nov 74 (Eng)

[THE SERUM LEVEL OF SULFATATION FACTOR (SOMATOMEDINE) IN GROWTH RETARDATIONS, CEREBRAL GIGANTISM AND ACROMEGALY] Lecornu M *Arch Fr Pediatr* 30: 595-608, Jun-Jul 73 (Fre)

SOMATOSTATIN

LETTER: DEPRESSION OF SERUM INSULIN BY SOMATOSTATIN. Berger M, Berchtold P *N Engl J Med* 293: 723, 2 Oct 75 (Eng)

EFFECTS OF PORCINE STALK MEDIAN EMINENCE AND PROSTAGLANDIN E₂ ON RAT GROWTH HORMONE SECRETION IN VIVO AND THEIR INHIBITION BY SOMATOSTATIN. Szabo M, Frohman LA *Endocrinology* 96: 955-61, Apr 75 (Eng)

SOMATOSTATIN EFFECT

STUDIES ON GROWTH HORMONE SECRETION. VII. EFFECTS OF SOMATOSTATIN ON PLASMA GH, INSULIN, AND GLUCAGON IN SHEEP. Bryce D, Yeh M, Funderburk C, Todd H, Hertelendy F *Diabetes* 24: 842-50, Sep 75 (Eng)

THE INHIBITORY EFFECT OF SOMATOSTATIN ON GROWTH HORMONE, INSULIN AND GLUCAGON SECRETION IN DIABETES MELLITUS. Ward FR, Leblanc H, Yen SS *J Clin Endocrinol Metab* 41: 527-32, Sep 75 (Eng)

EFFECTS OF SOMATOSTATIN AND HYPOTHALAMIC VENTROMEDIAL LESIONS ON GH RELEASE INDUCED BY MORPHINE. Martin JB, Audet J, Saunders A *Endocrinology* 96: 839-47, Apr 75 (Eng)

SOMATOTROPIC ACTIVITY

[MEASURE OF PITUITARY SOMATOTROPIC ACTIVITY BY THE TIBIA TEST: EFFECT OF CERTAIN PHYSICAL TREATMENTS OF THE PITUITARY] Charrier J *Ann Biol Anim Biochim Biophys* 14: 377-81, 1974 (Fre)

SOMATOTROPIN

[METHODS FOR THE DETERMINATION OF SOMATOTROPIN LEVELS USING THE RADIOIMMUNOLOGIC METHOD] Kracmar P, Hnikova O, Korpanceva J, Satrapa T *Cesk Fysiol* 24: 73-7, 1975 (Cze)

[PROCEEDINGS: SOMATOTROPIN-RELEASE INHIBITING FACTOR] Kaneko T, Oka H, Munemura M, Oda T, Yamashita K *Folia Endocrinol Jpn* 50: 270, 20 Feb 74 (Jpn)

SOMATOTROPIN INSUFFICIENCY

[SOMATOTROPIN INSUFFICIENCY. I. METABOLIC AND HORMONAL DISORDERS] Popa M *Stud Cercet Endocrinol* 23: 219-34, 1972 (Rum) [87]

SPECTROPHOTOMETRY

DIRECT DETERMINATION OF TOTAL SERUM CHOLESTEROL BY USE OF DOUBLE-WAVELENGTH SPECTROPHOTOMETRY. Sommers PB, Jatlow PI, Seligson D *Clin Chem* 21: 703-7, May 75 (Eng)

SPERMIOGRAM

[THE SPERMIOGRAMS OF DIABETIC AND NONDIABETIC PATIENTS WITH DISTURBANCES OF POTENCY (AUTHORS TRANSL)] Bartak V, Josifko M *Cas Lek Cesk* 114: 724-5, 13 Jun 75 (Cze)

SPIN LABEL STUDY

EVIDENCE FOR CONSTRAINED LIPID MOBILITY IN THE ERYTHROCYTE GHOST. A SPIN LABEL STUDY. Verma SP, Wallach DFH *Biochim Biophys Acta* 382: 73-82, 28 Feb 75 (Eng)

SPIN LABELED

INTERACTION BETWEEN SPIN-LABELED ACYL-COENZYME A AND THE MITOCHONDRIAL ADENOSINE DIPHOSPHATE CARRIER. Devaux PF, Bienvenue A, Lauquin G, Brisson AD, Vignais PM, Vignais PV *Biochemistry* 14: 1272-80, 25 Mar 75 (Eng)

SPLANCHNIC REGION

[METABOLISM OF THE SPLANCHNIC REGION AS INFLUENCED BY FRUCTOSE] Dietze G, Wicklmayr M, Hepp KD, Grunst J, Stiegler G, Mehnert H *Infusionstherapie* 1: 525-5, Oct 74 (Ger)

[THE METABOLISM OF THE SPLANCHNIC REGION UNDER THE INFLUENCE OF FRUCTOSE] Dietze G, Wicklmayr M, Hepp KD, Grunst J, Stiegler G, Mehnert H *Infusionstherapie* 1: 552-5, Oct 74 (Ger)

STAIN, ALDEHYDE FUCHSIN

THIOSULFATION ALDEHYDE FUCHSIN (TAF) PROCEDURE FOR THE STAINING OF PANCREATIC B CELLS. Bussolati G, Bassa T *Stain Technol* 49: 313-5, Sep 74 (Eng)

STAINING

THIOSULFATION ALDEHYDE FUCHSIN (TAF) PROCEDURE FOR THE STAINING OF PANCREATIC B CELLS. Bussolati G, Bassa T *Stain Technol* 49: 313-5, Sep 74 (Eng)

STAIRCASE EFFECT

POSITIVE STAIRCASE EFFECT IN THE RAT HEART. Henry PD *Am J Physiol* 228: 360-4, Feb 75 (Eng)

STALK MEDIAN EMINENCE, PORCINE

EFFECTS OF PORCINE STALK MEDIAN EMINENCE AND PROSTAGLANDIN E₂ ON RAT GROWTH HORMONE SECRETION IN VIVO AND THEIR INHIBITION BY SO-

MATOSTATIN. Szabo M, Frohman LA *Endocrinology* 96: 955-61, Apr 75 (Eng)

STAPHYLOCOCCUS AUREUS

INTERACTION OF STAPHYLOCOCCUS AUREUS WITH HUMAN POLYMORPHONUCLEAR LEUKOCYTES. Quie PG, Davis AT *Contrib Microbiol Immunol* 1: 195-201, 1973 (Eng)

STARCH

SUCROSE, STARCH AND HYPERLIPIDEMIA. Anonymous *Nutr Rev* 33: 44-5, Feb 75 (Eng)

ROLE OF URIDINE DIPHOSPHATE GLUCOSE IN THE BIOSYNTHESIS OF STARCH. MECHANISM OF FORMATION AND ENLARGEMENT OF A GLUCOPROTEIC ACCEPTOR. Lavintman N, Tandecarz J, Carceller M, Mendiara S, Cardini CE *Eur J Biochem* 50: 145-55, 16 Dec 74 (Eng)

STATISTICAL INTERPRETATION

OPTIMAL STATISTICAL DESIGN OF RADIOIMMUNOASSAYS AND COMPETITIVE PROTEIN-BINDING ASSAYS. Chang PC, Rubin RT, Yu M *Endocrinology* 96: 973-81, Apr 75 (Eng)

STATISTICS

NATIONAL STATISTICS. Adelstein AM *Postgrad Med J* 51 SUPPL 2: SUPPL 15057-67, 1975 (Eng)

STEROID HORMONE

STEROID HORMONE-RESPONSIVE, ISOLATED ENDOMETRIAL CELLS. Pietras RJ, Szego CM *Endocrinology* 96: 946-54, Apr 75 (Eng)

STEROID, SYNTHETIC

[CLINICAL STUDY OF A NEW SYNTHETIC STEROID IN THE TREATMENT OF BRONCHIAL ASTHMA] Pacheco CR, Valdez-Ochoa S, Naranjo F, Alvarez H, Aguilar M, Saavedra M *Gac Med Mex* 104: 313-9, Oct 72 (Spa)

STORAGE

THE EFFECTS OF CAPTURE, STRESS, AND STORAGE OF WHOLE BLOOD ON THE RED BLOOD CELLS, PLASMA PROTEINS, GLUCOSE, AND ELECTROLYTES OF THE WINTER FLOUNDER (PSEUDOPLEURONECTES AMERICANUS). Fletcher GL *Can J Zool* 53: 197-206, Feb 75 (Eng)

STREPTOZOTOCIN

[STUDIES ON THE MECHANISM OF THE DIABETOGENIC ACTIVITY OF STREPTOZOTOCIN AND ON THE ABILITY OF COMPOUNDS TO BLOCK THE DIABETOGENIC ACTIVITY OF STREPTOZOTOCIN (AUTHORS TRANSL)] Doi K *Folia Endocrinol Jpn* 51: 129-47, 20 Mar 75 (Jpn)

AGE-DEPENDENT CHANGES IN THE SENSITIVITY OF THE RAT TO A DIABETOGENIC AGENT (STREPTOZOTOCIN). Masiello P, De Paoli A, Bergamini E *Endocrinology* 96: 787-9, Mar 75 (Eng)

Diabetes Literature—Keyword Index

STRESS

[STRESS SENSITIVITY AND ADAPTATION] Baumann K Z *Gesamte Inn Med* 30: suppl1017-30 concl, 15 Apr 75 (Ger)

THE EFFECTS OF CAPTURE, STRESS, AND STORAGE OF WHOLE BLOOD ON THE RED BLOOD CELLS, PLASMA PROTEINS, GLUCOSE, AND ELECTROLYTES OF THE WINTER FLOUNDER (PSEUDOPLEURONECTES AMERICANUS). Fletcher GL *Can J Zool* 53: 197-206, Feb 75 (Eng)

STRESS SENSITIVITY

[STRESS SENSITIVITY AND ADAPTATION] Baumann K Z *Gesamte Inn Med* 30: suppl1017-30 concl, 15 Apr 75 (Ger)

STRESS SITUATION

[THE UTILIZATION OF CARBOHYDRATES IN STRESS SITUATIONS] Geser CA *Infusionstherapie* 1: 215-9, Feb 74 (Ger)

[UTILIZATION OF CARBOHYDRATES IN STRESS SITUATIONS] Geser CA *Infusionstherapie* 1: 215-9, Feb 74 (Ger)

STROMA

[VITAMIN A AND BIOLOGICAL MEMBRANES. IV. CHANGES INDUCED BY A VITAMIN A DEFICIENT DIET IN THE FATTY ACID COMPOSITION OF THE STROMA OF ALBINO RAT ERYTHROCYTES] Carbin L, Dazzi E, Padalino A *Acta Vitaminol Enzymol (Milano)* 28: 199-202, 1974 (Ita)

STRUCTURE FUNCTION RELATIONSHIP

STRUCTURE-FUNCTION RELATIONSHIPS IN EXCITABLE MEMBRANES. Landonne D, Potter LT, Terrar DA *Annu Rev Physiol* 37: 485-508, 1975 (Eng) [134]

SUBCELLULAR DISTRIBUTION

SUBCELLULAR DISTRIBUTION AND INCORPORATION OF PALMITATE-U-14C INTO MYOCARDIAL LIPIDS: ROLE OF ENDOGENOUS AND EXOGENOUS CATECHOLAMINES. Mathur PP, Mokler CM *J Mol Cell Cardiol* 7: 17-26, Jan 75 (Eng)

SUBCOMATOUS PATIENT

[HEMOSTASIS IN COMATOUS AND SUBCOMATOUS PATIENTS WITH VIRAL HEPATITIS] Velkova-Simova N, Grunevska B *God Zb Med Fak Skopje* 17: 177-86, 1971 (Ser)

SUBMITOCHONDRIAL PARTICLE

PHOSPHATE TRANSPORT IN SUBMITOCHONDRIAL PARTICLES. Rhodin TR, Racker E *Biochem Biophys Res Commun* 61: 1207-12, 23 Dec 74 (Eng)

SUBSTRATE

PHOSPHORYLATION OF ENDOGENOUS SUBSTRATES BY ERYTHROCYTE MEMBRANE PROTEIN KINASES. I. A MONOVALENT CATION-STIMULATED REACTION. Avrukh I, Fairbanks G *Biochemistry* 13: 5507-14, 31 Dec 74 (Eng)

TRANSPORT OF SUGARS AND AMINO ACIDS IN BACTERIA. XII. SUBSTRATE SPECIFICITIES OF THE BRANCHED CHAIN AMINO ACID-BINDING PROTEINS OF ESCHERICHIA COLI. Amanuma H, Anraku Y *J Biochem (Tokyo)* 76: 1165-73, Dec 74 (Eng)

MALATE DEHYDROGENASE, CIRCULAR DICHROISM DIFFERENCE SPECTRA OF PORCINE HEART MITOCHONDRIAL AND SUPERNATANT ENZYMES, BINARY ENZYME-COENZYME, AND TERNARY ENZYME-COENZYME-SUBSTRATE ANALOG COMPLEXES. Eberhardt NL, Wolfe RG *J Biol Chem* 250: 2987-92, 25 Apr 75 (Eng)

THE STRUCTURE OF A YEAST HEXOKINASE MONOMER AND ITS COMPLEXES WITH SUBSTRATES AT 2.7-Å RESOLUTION. Fletcher RJ, Bates DJ, Steitz TA *Proc Natl Acad Sci USA* 72: 38-42, Jan 75 (Eng)

SUBSTRATE, 14C-LABELED

OXIDATION OF 14C-LABELED SUBSTRATES BY DOG KIDNEY CORTEX AT 10 AND 38 DEGREES C. Huang JS, Downes GL, Childress GL, Felts JM, Belzer FO *Cryobiology* 11: 387-94, Oct 74 (Eng)

SUBSTRATE, RENAL

RENAL SUBSTRATE EXCHANGE IN HUMAN DIABETES MELLITUS. Wahren J, Felig P *Diabetes* 24: 730-4, Aug 75 (Eng)

SUBSTRATE SPECIFICITY

[ACTIVE CENTERS AND THE SUBSTRATE SPECIFICITY OF MIROORGANISM PROTEINASES] Tsyperovich AS, Lysenkov NV, Kolodzeiskaia MV *Usp Sovrem Biol* 77: 18-34, Jan-Feb 74 (Rus) [109]

SUCROSE

LETTER: SUCROSE AND GLUCOSE IN DRY BREAKFAST CEREALS. Hayden EB *J Dent Child* 42: 88-90, Mar-Apr 75 (Eng)

SUCROSE, STARCH AND HYPERLIPIDEMIA. Anonymous *Nutr Rev* 33: 44-5, Feb 75 (Eng)

PROCEEDINGS: EFFECT OF FEEDING WITH SUCROSE AND OTHER CARBOHYDRATES ON PLATELET FUNCTION IN RATS. McGregor L *Proc Nutr Soc* 33: 23a-24a, Sep 74 (Eng)

INCREASED RATE OF ALCOHOL REMOVAL FROM BLOOD WITH ORAL FRUCTOSE AND SUCROSE. Soterakis J, Iber FL *Am J Clin Nutr* 28: 254-7, Mar 75 (Eng)

SUGAR

A SPOONFUL OF SUGAR - TRANS-ALVEOLAR NUTRITION. Hewson JR, Holland AJ *Can Anaesth Soc J* 22: 539-46, Sep 75 (Eng)

[TEMPORAL RELATIONSHIP CONCERNING CHANGES IN BLOOD INSULIN, SUGAR AND ADENOSINE-35-MONOPHOSPHATE FOLLOWING ADMINISTRATION OF GLUCAGON TO HEALTHY SUBJECTS] Czekalski S, Kosowicz J, Kozak W, Ruskowska J *Pol Arch Med Wewn* 54: 127-32, Aug 75 (Pol)

STIMULATION OF ACTIVE AND PASSIVE SODIUM ABSORPTION BY SUGARS IN THE HUMAN JEJUNUM. Fordtran JS *J Clin Invest* 55: 728-37, Apr 75 (Eng)

STUDIES OF GASTROINTESTINAL INTERACTIONS. VII. CHARACTERISTICS OF THE ABSORPTION PATTERN OF SUGAR, FAT AND PROTEIN FROM COMPOSITE MEALS IN MAN. A QUANTITATIVE STUDY. Johansson C *Scand J Gastroenterol* 10: 33-42, 1975 (Eng)

[BILE ACIDS AND THE ACTIVE TRANSPORT OF SUGARS AND AMINO ACIDS] Caspary WF *Verh Dtsch Ges Inn Med* 80: 412-5, 1974 (Ger)

SURFACE MEMBRANE, PARASITE

SUGAR ABSORPTION

SUGAR ABSORPTION BY MOUSE SMALL INTESTINE. Herzberg GR, Howland JL *Comp Biochem Physiol [A]* 47: 1191-8, 1 Apr 74 (Eng)

SUGAR SUBSTITUTE

[PARENTERAL ADMINISTRATION OF SUGAR SUBSTITUTES WITH SPECIAL REFERENCE TO DIABETES MELLITUS] Haslbeck M *Infusionstherapie* 1: 569-76, Oct 74 (Ger)

SUGAR TRANSPORT

TRANSPORT OF SUGARS AND AMINO ACIDS IN BACTERIA. XII. SUBSTRATE SPECIFICITIES OF THE BRANCHED CHAIN AMINO ACID-BINDING PROTEINS OF ESCHERICHIA COLI. Amanuma H, Anraku Y *J Biochem (Tokyo)* 76: 1165-73, Dec 74 (Eng)

SULFONYLUREA COMPOUND

[BLOOD LACTATE LEVEL FOLLOWING INTRAVENOUS ADMINISTRATION OF SULFONYLUREA COMPOUNDS IN EQUIPOTENT DOSES, OF GLUCOSE AND COMBINATIONS OF GLUCOSE AND SULFONYLUREA COMPOUNDS IN SUBJECTS WITH NORMAL METABOLISM] Jungmann E, Beyer J, Happ J, Scherer U, Schoffling K *Verh Dtsch Ges Inn Med* 80: 1302-4, 1974 (Ger)

SULFONYLUREA HYPOGLYCEMIC AGENT

[A CLINICAL STUDY OF A NEW SULFONYLUREA HYPOGLYCEMIC AGENT: GLIPIZIDE (GLIBENESE)] (AUTHORS TRANSL.) Cochet B, Balant L, Rilliet B, Zahnd G *Praxis* 64: 562-8, 6 May 75 (Fre)

SURFACE AGENT

SYMPOSIUM III: HORMONES AND HORMONE RECEPTORS. A MORPHOLOGICAL APPROACH TO SURFACE RECEPTORS IN ISLET AND LIVER CELLS. Orci L, Rufenner C, Malaisse-Lagae F, Blondel B, Amherdt M, Bataille D, Freychet P, Perrelet A *Isr J Med Sci* 11: 639-55, Jul 75 (Eng)

LOCALIZATION OF ENZYMES INVOLVED IN POLYPHOSPHOINOSITIDS METABOLISM ON THE CYTOPLASMIC SURFACE OF THE HUMAN ERYTHROCYTE MEMBRANE. Burris Garrett RJ, Redman CM *Biochim Biophys Acta* 382: 58-64, 28 Feb 75 (Eng)

SOME BIOLOGICAL FUNCTIONS OF ANIMAL CELL SURFACE SIALIC ACID RESIDUES. Porwit-Bohr Z, Slowik M *Folia Histochem Cytotech (Krakow)* 12: 335-41, 1974 (Eng) [73]

SURFACE CHARGE

MEMBRANE SURFACE CHARGE: DISCRETE AND UNIFORM MODELLING. Brown RH Jr *Prog Biophys Mol Biol* 28: 341-70, 1974 (Eng) [27]

SURFACE MEMBRANE

AN IMPROVED METHOD FOR THE ISOLATION OF SURFACE MEMBRANES FROM CELLS IN MONOLAYER CULTURE. Carlsen SA, Till JE *Cm J Biochem* 53: 106-8, Jan 75 (Eng)

SURFACE MEMBRANE, PARASITE

STRUCTURE AND FUNCTION OF PARASITE SURFACE MEMBRANES. I. MECHANICAL

Diabetes Literature—Keyword Index

SURFEN

OF PHLORIZIN INHIBITION OF HEXOSE TRANSPORT BY THE CESTODE HYMENOLEPIS DEMINUTA. McCracken RO, Lumsden RD. *Comp Biochem Physiol [B]* 50: 153-7, 15 Jan 75 (Eng)

SURFEN

[APPARENT INSULIN INCOMPATIBILITY IN A CASE OF ARTHUS PHENOMENON CAUSED BY SURFEN] Forck G, Wilhelm E, Baumeister G, Westerloh K. *Med Welt* 26: 664-9, 4 Apr 75 (Ger)

SURGERY

[THE INFLUENCE OF ALPHA RECEPTOR BLOCKADERS ON INSULIN SECRETION STIMULATED BY GLUCOSE DURING ANESTHESIA AND SURGERY] Stremmel W. *Infusionstherapie* 1: 307-13, Apr 74 (Ger)

[ALTERATIONS IN PLASMA INSULIN AND BLOOD GLUCOSE DURING ANESTHESIA AND SURGERY] Goshva-Antonova Ts, Turkolev N. *Khirurgia (Sofia)* 27: 487-92, 1974 (Bul)

SURGICAL DISEASE

[SIGNIFICANCE OF LIPID METABOLISM IN SURGICAL DISEASES] Stremmel W. *Infusionstherapie* 1: 238-43, Feb 74 (Ger)

SURGICAL DISORDER

[THE SIGNIFICANCE OF LIPID METABOLISM IN SURGICAL DISORDERS] Stremmel W. *Infusionstherapie* 1: 238-43, Feb 74 (Ger)

SURVIVAL TIME

DIABETES AND THE SURVIVAL AND RECOVERY OF THE ANOXIC MYOCARDIUM. Hearse DJ, Stewart DA, Chain EB. *J Mol Cell Cardiol* 7: 397-415, Jun 75 (Eng)

SYDNEY POPULATION

TYPE V HYPERLIPOPROTEINAEMIA REVISITED: FINDINGS IN A SYDNEY POPULATION. Simons LA, Williams PF, Turtle JR. *Aust NZ J Med* 5: 210-9, Jun 75 (Eng)

SYMPATHECTOMY

[LETTER: SYMPATHECTOMY IN DIABETES] Waibel P. *Dtsch Med Wochenschr* 100: 2058, 3 Oct 75 (Ger)

SYMPATHETIC GANGLIA

[LETTER: STUDY OF SYMPATHETIC GANGLIC BY ELECTRON MICROSCOPY. ANATOMO-CLINICAL RELATIONS IN ARTERIOPATHIES] Courbier R, Jausseran JM, Reggi M, Choux R, Toga M. *Nouv Presse Med* 4: 1814, 14 Jun 75 (Fre)

SYMPATHICO-ADRENAL SYSTEM

[THE SYMPATHICO-ADRENAL SYSTEM IN ACUTE MYOCARDIAL INFARCT] Sznajderman M. *Kardiol Pol* 18: 43-9, 1975 (Pol)

SYMPATHO-ADRENAL DEVELOPMENT

SYMPATHO-ADRENAL DEVELOPMENT IN PERINATALLY ADDICTED RATS. Slotkin TA, Anderson TR. *Addict Dis* 2: 293-306, 1975 (Eng)

SYNDROME, DIABETIC

[AN ACUTE DIABETIC SYNDROME INDUCED IN RATS BY ANTI-INSULIN SERUM AS AN

EXPERIMENTAL MODEL FOR THE STUDY OF SEVERAL ANTIDIABETIC AGENTS] Andreev D, Strashimirov D, Ditsov S, Dashev G. *Exp Med Morfol* 13: 95-101, 1974 (Bul)

SYMPOSIUM IV: DIABETIC SYNDROME IN ANIMALS. INFLUENCE OF GENETIC BACKGROUND ON THE EXPRESSION OF MUTATIONS AT THE DIABETES LOCUS IN THE MOUSE. II. STUDIES ON BACKGROUND MODIFIERS. Coleman DL, Hummel KP. *Isr J Med Sci* 11: 708-13, Jul 75 (Eng)

SYNERGISTIC

LIVER MEMBRANE ADENYLATE CYCLASE. SYNERGISTIC EFFECTS OF ANIONS ON FLUORIDE, GLUCAGON, AND GUANYL NUCLEOTIDE STIMULATION. Johnson RA, Pilikis SJ, Hamet P. *J Biol Chem* 250: 6599-607, 25 Aug 75 (Eng)

SYNTHASE, COENZYME A

MOLECULAR AND CATALYTIC PROPERTIES OF MITOCHONDRIAL (KETOGENIC) 3-HYDROXY-3-METHYLGLUTARYL COENZYME A SYNTHASE OF LIVER. Reed WD, Clinkenbeard D, Lane MD. *J Biol Chem* 250: 3117-23, 25 Apr 75 (Eng)

SYNTHASE, MITOCHONDRIAL

MITOCHONDRIAL 3-HYDROXY-3-METHYLGLUTARYL-COA SYNTHASE FROM CHICKEN LIVER. Reed WD, Lane MD. *Methods Enzymol* 35: 155-60, 1975 (Eng)

SYNTHETASE

THE ACTIVATION OF SHORT-CHAIN FATTY ACIDS BY THE SOLUBLE FRACTION OF GUINEA-PIG HEART AND LIVER MITOCHONDRIA. THE SEARCH FOR A DISTINCT PROPIONYL-COA SYNTHETASE. Groot PH. *Biochim Biophys Acta* 380: 12-20, 24 Jan 75 (Eng)

EVIDENCE FOR THE ALLOSTERIC REGULATION OF GLYCOGEN SYNTHESIS IN THE INTACT ESCHERICHIA COLI CELL. AGREEMENT OF THE VALUES OF THE PARAMETERS OF THE HILL EQUATION FITTED TO DATA FOR GLYCOGEN SYNTHESIS IN VIVO WITH THE AVAILABLE VALUES OBTAINED IN VITRO WITH ADENOSINE DIPHOSPHOGLUCOSE SYNTHETASE. Dietzler DN, Leckie MP, Lais CJ, Magnani JL. *J Biol Chem* 250: 2383-7, 25 Mar 75 (Eng)

TCA

SEE TRICARBOXYLIC ACID

TELEOSTEAN FISH

[EXISTENCE OF A PROTEIN KINASE ACTIVITY WHICH MAYBE STIMULATED BY 3,5-CYCIC ADENOSINE MONOPHOSPHATE IN ADIPOSE TISSUE OF A TELEOSTEAN FISH, THE TROUT (SALMO GAIARDNERII R.)] Fontaine-Bertrand E, Delerue-Le Belle N, Fontaine YA. *Biochimie* 56: 1123-8, 1974 (Fre)

TEMPERATURE EFFECT

EFFECT OF HIGH AMBIENT TEMPERATURE AND LOW HUMIDITY ON NUTRIENT UTILIZATION AND ON SOME PHYSIOLOGICAL RESPONSES IN AWASI SHEEP FED DIFFERENT LEVELS OF ROUGHAGE. Bhattacharya AN, Uwayjan MJ. *Anim Sci* 40: 320-8, Feb 75 (Eng)

TERNARY ENZYME-COENZYME-SUBSTRATE

MALATE DEHYDROGENASE, CIRCULAR DICHROISM DIFFERENCE SPECTRA OF PORCINE HEART MITOCHONDRIAL AND SUPERNATANT ENZYMES, BINARY ENZYME-COENZYME, AND TERNARY ENZYME-COENZYME-SUBSTRATE ANALOG COMPLEXES. Eberhardt NL, Wolfe RG. *J Biol Chem* 250: 2987-92, 25 Apr 75 (Eng)

TESTOSTERONE

[MICROSOME-ASSOCIATED 17BETA-HYDROXYSTEROID DEHYDROGENASES OF HUMAN PLACENTA, II KINETIC STUDIES AND CHARACTERIZATION OF THE SOLUBILIZED ESTRADIOL-AND TESTOSTERONE-SENSITIVE 17BETA-HSD-ACTIVITIES] Pollow K, Runge W, Pollow B. *Z Naturforsch [C]* 30: 17-24, Jan-Feb 75 (Ger)

TETRAHYMENA PYRIFORMIS

STUDIES ON THE MECHANISM OF UPTAKE OF D-GLUCOSE BY TETRAHYMENA PYRIFORMIS GL. Aomine M. *Comp Biochem Physiol [A]* 47: 1013-21, 1 Mar 74 (Eng)

THE ROLE OF GLUCOLIPID IN THE BIOSYNTHESIS OF GLYCOPROTEIN IN TETRAHYMENA PYRIFORMIS. Keenan RW, Kruczek M, Fusinato L. *Arch Biochem Biophys* 167: 697-705, Apr 75 (Eng)

TETRAPEPTIDE

STRUCTURE AND ACTIVITY OF INSULIN, XIII. SPECIFICITY OF THE ARGININE-GUANIDINO GROUP IN BIOLOGICALLY ACTIVE TETRAPEPTIDES OF THE INSULIN SEQUENCE B 22-25 (ARG-GLY-PHE-PHE). Weitzel G, Eisele K, Stock W. *Hoppe Seylers Z Physiol Chem* 356: 583-90, May 75 (Eng)

THERAPEUTIC AGENT EFFECT

[EFFECT OF THERAPEUTIC DOSES OF PROPRANOLOL ON BLOOD GLUCOSE LEVEL] Kondrak R. *Wiad Lek* 28: 461-4, 15 Mar 75 (Pol)

THERMOREGULATION

[MECHANISM OF THERMOREGULATION IN THE BROWN ADIPOSE TISSUE] Lindberg O. *Cesk Fysiol* 23: 77-83, 1974 (Cze)

THIAMINE

[KARYOMETRIC STUDIES OF THE PANCREAS AND ADRENAL GLANDS OF THE ALBINO-RAT FED AN UNBALANCED GLUCOSE DIET OR A GLUCOSE DIET SUPPLEMENTED WITH THIAMINE] Hildebrand R. *Anat Anz* 137: 187-95, 1975 (Ger)

THIAMINE DEFICIENT RAT

GLUCOSE UPTAKE IN THE BRAINSTEM OF THIAMINE-DEFICIENT RATS. Robertson DM, Manz HJ, Haas RA, Meyers N. *Am J Pathol* 79: 107-18, Apr 75 (Eng)

THIOL

PHOSPHATE TRANSPORT ACROSS THE MITOCHONDRIAL MEMBRANE: THE INFLUENCE OF THIOL OXIDATION AND OF MG&& ON INHIBITION BY MERCURIALS. Siliprandi D, Toninello A, Zoccarato F, Bindoli A. *FEBS Lett* 51: 15-7, 1 Mar 75 (Eng)

Diabetes Literature—Keyword Index

THROMBOSIS SUSCEPTIBILITY

[THE IMPORTANCE OF THE FIBRINOLYTIC SYSTEM FOR THE DETECTION OF THROMBOSIS SUSCEPTIBILITY] Klocking HP *Folia Haematol (Leipz)* 102: 238-47, 1975 (Ger)

THROMBOTIC CONDITION

THE BEHAVIOUR OF THE PLATELET-LEUKOCYTE AGGREGATION IN THROMBOTIC CONDITIONS. Bielawiec M, Kiersnowska-Rogowska B, Mysliwiec M, Perzanowski A *Folia Haematol (Leipz)* 102: 220-9, 1975 (Eng)

THYMIC CELL

[PROCEEDINGS: PROTEIN BINDING OF CORTISOL AND GLUCOSE METABOLISM INHIBITOR BY THYMIC CELLS] Senoo H, Niimi M, Matsui N *Folia Endocrinol Jpn* 50: 339, 20 Feb 74 (Jpn)

THYMIC LYMPHOCYTE

UPTAKE OF 3-O-METHYL-14C-D-GLUCOSE BY RAT THYMIC LYMPHOCYTES: INSENSITIVITY TO CORTISOL AND INHIBITORS OF RIBONUCLEIC ACID AND PROTEIN SYNTHESIS, AND SENSITIVITY TO CYTOCHALASIN B. Feldman MJ, Kraetsch RE, Lichtman MA, Peck WA *J Reticuloendothel Soc* 16: 318-26, Dec 74 (Eng)

THYMO LYMPHATIC STATUS

[THYMO-LYMPHATIC STATUS AS A CAUSE OF CARDIAC ARREST] Kubicz Z, Friedenberg W, Halter J *Wiad Lek* 28: 491-3, 15 Mar 75 (Pol)

THYROCALCITONIN EFFECT

THE EFFECT OF THYROCALCITONIN AND GROWTH HORMONES ON BONE METABOLISM. Klein IE *J Prosthet Dent* 33: 365-79, Apr 75 (Eng)

THYROGLOBULIN

STUDY OF THE MECHANISM OF THYROID HORMONE SECRETION IN AN IN VITRO MODEL SYSTEM: INDIRECT EVIDENCE FOR FUSION OF LYSOSOMES WITH THYROGLOBULIN LIPOSOMES. Kawada 4, kadota T, Yoshimura Y, Kurata M *Endocrinology* 96: 1196-200, May 75 (Eng)

THYROID

GLYCOPROTEIN BIOSYNTHESIS: STUDIES ON THYROID MANNOSYLTRANSFERASES. I. ACTION ON GLYCOPOLYMERES AND SIMPLE GLYCOSIDES. Adamany AM, Spiro RG *J Biol Chem* 250: 830-41, 25 Apr 75 (Eng)

BETA-ADRENERGIC STIMULATION OF CYCLIC AMP AND PROTEIN KINASE ACTIVITY IN THE THYROID. Spaulding SW, Burrow GN *Nature* 254: 347-9, 27 Mar 75 (Eng)

THYROID FUNCTION

[GLUCOSE TOLERANCE AND THYROID FUNCTION] Voss C, Lorenz C, Ratzmann L, Hartmann N *Acta Biol Med Ger* 33: 515-20, 1974 (Ger)

THYROID GLAND

[LIPID-LOWERING EFFECT OF D,L-ALPHA-METHYL THYROXINE ETHYL ESTER (CG-635) AND ITS INFLUENCE ON BASAL METABOLIC RATE, HEART AND THYROID GLAND] Kuwashima J, Tauboi T, Fujitani B,

Ishikawa K, Nakamura K *J Pharm Soc Jpn* 94: 1541-9, Dec 74 (Jpn)

[FUNCTIONAL STATE OF THE THYROID GLAND IN ESSENTIAL OBESITY] Dronova NE *Probl Endokrinol (Mosk)* 20: 42-6, May-Jun 74 (Rus)

THYROID HORMONE

STUDY OF THE MECHANISM OF THYROID HORMONE SECRETION IN AN IN VITRO MODEL SYSTEM: INDIRECT EVIDENCE FOR FUSION OF LYSOSOMES WITH THYROGLOBULIN LIPOSOMES. Kawada 4, kadota T, Yoshimura Y, Kurata M *Endocrinology* 96: 1196-200, May 75 (Eng)

EFFECT OF PHYSICAL TRAINING ON THE METABOLISM OF THYROID HORMONES IN MAN. Balsam A, Leppo LE *J Appl Physiol* 38: 212-5, Feb 75 (Eng)

CYCLIC NUCLEOTIDE PHOSPHODIESTERASES AND THYROID HORMONES. Van Inwegen RG, Robison GA, Thompson WJ *J Biol Chem* 250: 2452-6, 10 Apr 75 (Eng)

THYROID STIMULATING HORMONE

[PROCEEDINGS: TSH RESPONSE IN TRH LOADING TEST IN PATIENTS WITH OBESITY. 2. A COMPARISON WITH THIN PATIENTS] Suzuki A, Kato T, Maruyama H, Suzuki H, Takabayashi Y *Folia Endocrinol Jpn* 50: 111, 20 Feb 74 (Jpn)

[PROCEEDINGS: RESPONSES OF PLASMA ACTH, GH, LH, FSH, TSH AND PROLACTIN IN CUSHINGS SYNDROME] Hashimoto K, Asaoka K, Mori M, Yokoyama M, Miyoshi M *Folia Endocrinol Jpn* 50: 537, 20 Feb 74 (Jpn)

[PROCEEDINGS: DEFICIENCIES OF GROWTH HORMONE, THYROID STIMULATING HORMONE AND GONAD STIMULATING HORMONE IN A BROTHER AND SISTER] Shishiba Y, Shimizu T, Ozawa Y, Kawabata T *Folia Endocrinol Jpn* 50: 625, 20 Feb 74 (Jpn)

THYROIDITIS, AUTOIMMUNE

CARBOHYDRATE TOLERANCE IN AUTOIMMUNE THYROIDITIS. Finucane JF *Diabetes* 24: 829-32, Sep 75 (Eng)

THYROTROPIN RELEASE

INHIBITION OF GROWTH HORMONE AND THYROTROPIN RELEASE BY GROWTH HORMONE-RELEASE INHIBITING HORMONE. Belanger A, Labrie F, Borgeat P, Savary M, Cote J, Drouin J, Schally AV, Coy DH, Coy EJ, Sestanj K, Nelson V, Gotz M, Immer H *Mol Cell Endocrinol* 1: 329-39, Oct 74 (Eng)

THYROTROPIN RELEASING HORMONE

THE EFFECT OF HYPOGLYCEMIA ON HYPOTHALAMIC THYROTROPIN-RELEASING HORMONE (HRH) IN THE RAT. Leung Y, Guansing AR, Ajlouni K, Hagen TC, Rosenfeld PS, Barboriak JJ *Endocrinology* 97: 380-4, Aug 75 (Eng)

PASMA GROWTH HORMONE RESPONSES TO THYROTROPIN-RELEASING HORMONE IN THE URETHANE-ANESTHETIZED RAT. Kato Y, Chihara K, Maeda K, Ogo S, Okanishi Y *Endocrinology* 96: 1114-8, May 75 (Eng)

INTRINSIC TRYPTOPHAN FLUORESCENCE OF MEMBRANES OF GH3 PITUITARY CELLS: QUENCHING BY THYROTROPIN-RELEASING HORMONE. Imae T, Fasman GD, Hinkle PM, Tashjian AH Jr *Biochem Biophys Res Commun* 62: 923-32, 17 Feb 75 (Eng)

TRANSFER, GLUCOSE

THYROTROPIN, SERUM

MONTHLY VARIATIONS OF SERUM LEVELS OF THYROTROPIN, GROWTH HORMONE AND CORTISOL IN MAN. Golstein J, Van Cauter E, Leclercq R, Copinschi G, Vanhaelst L *Horm Metab Res* 6: 506-9, Nov 74 (Eng)

TIBIA TEST

[ANALYSIS OF GROWTH HORMONE BY THE TIBIA TEST: IMPORTANCE OF THE CHOICE OF ANIMALS] Charrier J *Ann Biol Anim Biochim Biophys* 14: 371-5, 1974 (Fre)

[MEASURE OF PITUITARY SOMATOTROPIC ACTIVITY BY THE TIBIA TEST: EFFECT OF CERTAIN PHYSICAL TREATMENTS OF THE PITUITARY] Charrier J *Ann Biol Anim Biochim Biophys* 14: 377-81, 1974 (Fre)

TISSUE LIPID

PHYSIOLOGIC CONSIDERATIONS OF TISSUE LIPIDS. Brady RO *Ann Clin Lab Sci* 2: 132-6, Mar-Apr 72 (Eng)

TISSUE PROTEIN

PROCEEDINGS: A SIMPLE TECHNIQUE FOR THE ESTIMATION OF TISSUE PROTEIN TURNOVER IN MAN. Halliday D, Garrow JS, Rodgers PA *Proc Nutr Soc* 33: 37a-38a, Sep 74 (Eng)

TISSUE SPECIFICITY

[SIGNIFICANCE OF TISSUE SPECIFICITY FOR THE FREQUENCY OF MITOSIS AND ITS CHANGES (AUTHORS TRANSL)] Hildebrand R, Ernst H *Anat Anz* 137: 196-9, 1975 (Ger)

TOLBUTAMIDE

THE USE OF SOLID PROBE CHEMICAL IONIZATION MASS SPECTROMETRY AND GAS CHROMATOGRAPHY-CHEMICAL IONIZATION MASS SPECTROMETRY IN QUANTITATION OF DRUGS IN BIOLOGICAL FLUIDS. DETERMINATION OF TOLBUTAMIDE AND ITS METABOLITES IN HUMAN PLASMA. Matin SB, Knight JB *Biomed Mass Spectrom* 1: 323-8, Oct 74 (Eng)

TOLBUTAMIDE, INTRAVENOUS

IMMUNOREACTIVE GLUCAGON RESPONSES TO INTRAVENOUS TOLBUTAMIDE IN CHRONIC PANCREATITIS. Kalk WJ, Vinik AI, Paul M, Leller P, Jackson WP *Diabetes* 24: 851-5, Sep 75 (Eng)

TOURIST

THE TOURIST AS PATIENT. Sorokin M *Med J Aust* 2: 182-5, 2 Aug 75 (Eng)

TOXICOLOGY

TOXICITY ARISING FROM THE UREA CYCLE. Cohen BD, Handelsman DG, Pai BN *Kidney Int [Suppl]* 285-7, Feb 75 (Eng)

TRANSFER, GLUCOSE

[TRANSFER OF GLUCOSE FROM UDP-GLUCOSE IN MICROSOMAL MEMBRANES OF RAT HEPATOCYTES (AUTHORS TRANSL)] Berthillier G, Azzar GJ, Got R *Eur J Biochem* 51: 275-82, 3 Feb 75 (Fre)

Diabetes Literature—Keyword Index

TRANSHYDROGENASE(GLUTATHIONE INSULIN

TRANSHYDROGENASE, GLUTATHIONE INSULIN

INSULIN DEGRADATION. XV. USE OF DIFFERENT ASSAY METHODS FOR THE STUDY OF MECHANISM OF ACTION OF GLUTATHIONE-INSULIN
TRANSHYDROGENASE. Chandler ML, Varandani PT *Biochim Biophys Acta* 397: 307-17, 26 Aug 75 (Eng)

TRANSPLANTATION

TRANSPLANTATION OF THE ISLETS OF LANGERHANS AND THE HISTOCOMPATIBILITY OF ENDOCRINE TISSUE. Barker CF *Diabetes* 24: 766-75, Aug 75 (Eng)

SURGICAL ASPECTS OF TRANSPLANTATION IN DIABETIC PATIENTS. Simmons RL, Kjellstrand CM, Kyriakides GK, Rattazzi LC, Spanos PK, Casali R, Najarian JS *Kidney Int [Suppl]* 129-32, Oct 74 (Eng)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: PROBLEMS IN TRANSPLANTATION. Anonymous *Kidney Int [Suppl]* 133-40, Oct 74 (Eng)

SOCIAL AND PSYCHOLOGICAL REHABILITATION OF THE DIABETIC TRANSPLANT PATIENT. Simmons RG, Schilling KJ *Kidney Int [Suppl]* 152-8, Oct 74 (Eng)

NEUROPATHY IN TRANSPLANTED DIABETIC PATIENTS. Wilson RE, Goldman MH, Yen MC, Kassissieh SD, Strom T, Kahn CB *Kidney Int [Suppl]* 90-4, Oct 74 (Eng)

TRANSPLANTATION, ISLET CELL

ISLET CELL TRANSPLANTATION. Leonard RJ, Lazarrow A, McEvoy RC, Hegre OD *Kidney Int [Suppl]* 169-78, Oct 74 (Eng)

TRANSPLANTATION, KIDNEY

NEUROPATHY, RETINOPATHY AND BIOPSY FINDINGS IN TRANSPLANTED KIDNEY IN DIABETIC PATIENTS. Barbosa J, Burke B, Buselmeier TJ, Carpenter AM, Goetz FC, Harris J, Kennedy WR, Kjellstrand CM, Michael AF, Najarian JS, Recker L *Kidney Int [Suppl]* 32-6, Oct 74 (Eng)

TRANSPLANTATION, PANCREAS

LONG TERM STUDIES OF PANCREAS TRANSPLANTATION IN EXPERIMENTAL DIABETES MELLITUS. Orloff MJ, Lee S, Charters AC 3d, Grambort DE, Storck LG, Knox D *Ann Surg* 182: 198-206, Sep 75 (Eng)

TRANSPLANTATION, PANCREATIC

PANCREATIC TRANSPLANTATION IN NEW YORK. Gliedman ML, Tellis V, Soberman R, Rifkin H, Freed SZ, Veith FJ *Kidney Int [Suppl]* 164-8, Oct 74 (Eng)

[PANCREATIC TRANSPLANTATION: ENDOCRINE FUNCTION OF THE GRAFTED PANCREAS. CURRENT DATA AND FUTURE PROSPECTS] Eloy R, Jaecq D, Schang JC, Vanhareth T, Gillet M, Grenier JF, Moody AJ *Ann Chir* 29: 559-69, Jun 75 (Fre)

TRANSPLANTATION, RENAL

EDITORIAL: RENAL TRANSPLANTATION IN DIABETES. Anonymous *Br Med J* 3: 397, 16 Aug 75 (Eng)

RENAL TRANSPLANTATION IN INSULIN-DEPENDENT DIABETIC PATIENTS. Kjellstrand CM, Shideman JR, Simmons RL, Buselmeier TJ, von Hartzisch B, Goetz FC, Najarian JS *Kidney Int [Suppl]* 15-20, Oct 74 (Eng)

METABOLIC PROBLEMS IN DIABETIC PATIENTS UNDERGOING RENAL TRANSPLANTATION. Palumbo PJ, Woods JE, Johnson WJ, Service FJ *Kidney Int [Suppl]* 58-62, Oct 74 (Eng)

TRANSPORT

[SIGNIFICANCE OF INTRACELLULAR CALCIUM TRANSPORT FOR CELL FUNCTION] Seifert G, Schafer HJ, Schulz A *Dtsch Med Wochenschr* 100: 1854-62, 12 Sep 75 (Ger) [68]

DISTINCT COMPONENTS OF NEUTRAL AMINO ACID TRANSPORT IN CHICK SMALL INTESTINE. Miller DS, Burrill P, Lerner J *Comp Biochem Physiol [A]* 47: 767-77, 1 Feb 74 (Eng)

STIMULATION OF TRANSPORT INTO ESCHERICHIA COLI MEMBRANE VESICLES BY INTERNALLY GENERATED REDUCED NICOTINAMIDE ADENINE DINUCLEOTIDE. Futai M *J Bacteriol* 120: 861-5, Nov 74 (Eng)

PHOSPHATE TRANSPORT IN RAT LIVER MITOCHONDRIA. MEMBRANE COMPONENTS LABELED BY N-ETHYLMALAMIDE DURING INHIBITION OF TRANSPORT. Coty WA, Pedersen PL *J Biol Chem* 250: 3515-21, 10 May 75 (Eng)

AXONAL FLOW AND FAST TRANSPORT IN NERVES. Heslop JP *Adv Comp Physiol Biochem* 6: 75-163, 1975 (Eng) [428]

UPTAKE PATTERNS AND TRANSPORT ENHANCEMENTS IN CULTURES OF HAMSTER CELLS DEPRIVED OF CARBOHYDRATES. Ullrey D, Gammon MT, Kalckar HM *Arch Biochem Biophys* 167: 410-6, Apr 75 (Eng)

[COUPLED TRANSPORT OF H₂ AND CL MINUS IONS ACROSS ERYTHROCYTE MEMBRANES] Astashkin EI, Antonov VF *Fiziol Zh SSSR* 60: 1813-8, Dec 74 (Rus)

TRANSPORT, ACTIVE

COUPLING OF ALANINE RACEMASE AND D-ALANINE DEHYDROGENASE TO ACTIVE TRANSPORT OF AMINO ACIDS IN ESCHERICHIA COLI B MEMBRANE VESICLES. Kaczorowski G, Shaw L, Fentes M, Walsh C *J Biol Chem* 250: 2855-65, 25 Apr 75 (Eng)

[BILE ACIDS AND THE ACTIVE TRANSPORT OF SUGARS AND AMINO ACIDS] Caspary WF *Verh Dtsch Ges Inn Med* 80: 412-5, 1974 (Ger)

CONCENTRATIVE ACCUMULATION (ACTIVE TRANSPORT) OF 2-DEOXY-D-GLUCOSE IN PRIMATE FIBROBLASTS. Tsuoboi KK, Petriciani JC *Biochem Biophys Res Commun* 62: 587-93, 3 Feb 75 (Eng)

TRANSPORT, ALANINE

THE EFFECT OF VITAMINE B6 ON ALANINE TRANSPORT IN TURTLE INTESTINE. Hajjar JJ, Khatib AH *Comp Biochem Physiol [A]* 47: 1135-44, 1 Apr 74 (Eng)

TRANSPORT, AMINO ACID

CORRELATION OF EARLY CHANGES IN AMINO ACID TRANSPORT AND DNA SYNTHESIS IN STIMULATED LYMPHOCYTES. Van den Berg KJ, Betel I *Cell Immunol* 10: 319-23, Feb 74 (Eng)

AMINO ACID TRANSPORT IN MEMBRANE VESICLES OF OBLIGATELY ANAEROBIC VEILLONELLA ALCALESCENS. Konings WN, Boonstra J, De Vries W *J Bacteriol* 122: 245-9, Apr 75 (Eng)

EFFECTS OF RIBONUCLEASE A ON AMINO ACID TRANSPORT IN NEUROSPORA CRASSA. Stuart WD, Woodward DO *J Bacteriol* 122: 41-6, Apr 75 (Eng)

KINETICS OF NAPLUS-DEPENDENT AMINO ACID TRANSPORT USING CELLS AND MEMBRANE VESICLES OF A MARINE PSEUDOMONAD. Sprott GD, Drozdowski JP, Martin EL, MacLeod RA *Can J Microbiol* 21: 43-50, Jan 75 (Eng)

RELATION BETWEEN REDUCED NICOTINAMIDE ADENINE DINUCLEOTIDE OXIDATION AND AMINO ACID TRANSPORT IN MEMBRANE VESICLES FROM BACILLUS SUBTILIS. Bisschop A, de Jong L, Lima Costa ME, Konings WN *J Bacteriol* 121: 807-13, Mar 75 (Eng)

TRANSPORT, AXONAL

SLOW AXONAL TRANSPORT OR PROTEINS; BLOCKADE BY INTERRUPTION OF CONTACT BETWEEN CELL BODY AND AXON. Frizell M, McLean WG, Sjostrand J *Brain Res* 86: 67-73, 14 Mar 75 (Eng)

TRANSPORT, DICARBOXYLIC ACID

DUAL EFFECTS OF GLUCOSE ON DICARBOXYLIC ACID TRANSPORT IN KLUYVEROMYCES LACTIS. Zmijewski MJ Jr, MacQuillan AM *Can J Microbiol* 21: 473-80, Apr 75 (Eng)

C4-TRANSPORT, DICARBOXYLIC ACID

REGULATION OF C4-DICARBOXYLIC ACID TRANSPORT IN BACILLUS SUBTILIS. Ghei OK, Kay WW *Can J Microbiol* 21: 527-36, Apr 75 (Eng)

TRANSPORT, DOWNHILL

UNIMPORTANCE OF COUNTERFLUX IN THE ENERGETICS OF DOWNHILL TRANSPORT. Koch AL *J Bacteriol* 120: 895-901, Nov 74 (Eng)

TRANSPORT, GALACTOSE

GALACTOSE TRANSPORT ACROSS THE SEROSAL BORDER OF RABBIT ILEUM AND ITS ROLE IN INTRACELLULAR ACCUMULATION. Holman GD, Naftalin RJ *Biochim Biophys Acta* 382: 230-45, 13 Mar 75 (Eng)

SOURCE OF ENERGY FOR THE ESCHERICHIA COLI GALACTOSE TRANSPORT SYSTEMS INDUCED BY GALACTOSE. Wilson DB *J Bacteriol* 120: 866-71, Nov 74 (Eng)

TRANSPORT, GLUCOCORTICOID

EVIDENCE FOR GLUCOCORTICOID TRANSPORT INTO ATT-20/D-1 CELLS. Harrison RW 3d, Fairfield S, Orth DN *Biochemistry* 14: 1304-7, 25 Mar 75 (Eng)

TRANSPORT, GLUCOSE

[GLUCOSE TRANSPORT INTO MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII CELLS] Panchenko LF, Fedotov NS, Goriacheva LA, Tarsish MA *Dokl Akad Nauk SSSR* 221: 487-9, 1975 (Rus)

GLUCOSE TRANSPORT CARRIER IN HUMAN ERYTHROCYTE MEMBRANES. DINITROPHENYLATION OF A MEMBRANE COMPONENT MODIFIED BY D-GLUCOSE. Jung CY, Carlson LM *J Biol Chem* 250: 3217-20, 10 May 75 (Eng)

EFFECTS OF SEA NETTLE TOXIN ON GLUCOSE TRANSPORT IN HAMSTER INTESTINE. Watrous J, Dubyak G, Sawula B *Toxicol* 12: 657-8, Dec 74 (Eng)

Diabetes Literature—Keyword Index

TUBERCULOUS INFECTION, CHILD

GLUCOSE TRANSPORT-DEFICIENT MUTANT OF *NEUROSPORA CRASSA* WITH AN UNUSUAL RHYTHMIC GROWTH PATTERN. Halaban R *J Bacteriol* 121: 1056-63, Mar 75 (Eng)

TRANSPORT, HEXOSE

STRUCTURE AND FUNCTION OF PARASITE SURFACE MEMBRANES. I. MECHANICAL OF PHLORIZIN INHIBITION OF HEXOSE TRANSPORT BY THE CESTODE *HYMENOLEPIS DEMINUTA*. McCracken RO, Lumsden RD *Comp Biochem Physiol [B]* 50: 153-7, 15 Jan 75 (Eng)

TRANSPORT, ION

EFFECTS OF BOVINE GROWTH HORMONE, HUMAN PLACENTAL LACTOGEN AND OVINE PROLACTIN ON INTESTINAL FLUID AND ION TRANSPORT IN THE RAT. Mainoya JR *Endocrinology* 96: 1165-70, May 75 (Eng)

TRANSPORT, MACROTETROLIDE ION

KINETICS OF MACROTETROLIDE-INDUCED ION TRANSPORT ACROSS LIPID BILAYER MEMBRANES. Benz R, Stark G *Biochim Biophys Acta* 382: 27-40, 28 Feb 75 (Eng)

TRANSPORT, MEMBRANE

CYCLIC AMP, MEMBRANE TRANSPORT AND CELL DIVISION. I. EFFECTS OF VARIOUS CHEMICALS ON CYCLIC AMP LEVELS AND RATE OF TRANSPORT OF NEUCLEOSIDES, HYPOXANTHINE AND DEOXYGLUCOSE IN SEVERAL LINES OF CULTURED CELLS. Sheppard JR, Plagemann PG *J Cell Physiol* 85: 163-72, Apr 75 (Eng)

TRANSPORT, NEUCLEOSIDE

CYCLIC AMP, MEMBRANE TRANSPORT AND CELL DIVISION. I. EFFECTS OF VARIOUS CHEMICALS ON CYCLIC AMP LEVELS AND RATE OF TRANSPORT OF NEUCLEOSIDES, HYPOXANTHINE AND DEOXYGLUCOSE IN SEVERAL LINES OF CULTURED CELLS. Sheppard JR, Plagemann PG *J Cell Physiol* 85: 163-72, Apr 75 (Eng)

TRANSPORT, OXOACID

THE TRANSPORT OF MONOCARBOXYLIC OXOACIDS IN RAT LIVER MITOCHONDRIA. Paradies G, Papa S *FEBS Lett* 52: 149-52, 15 Mar 75 (Eng)

TRANSPORT, PHOSPHATE

PHOSPHATE TRANSPORT ACROSS THE MITOCHONDRIAL MEMBRANE: THE INFLUENCE OF THIOL OXIDATION AND OF MG&& ON INHIBITION BY MERCURIALS. Siliprandi D, Toninello A, Zoccarato F, Bindoli A *FEBS Lett* 51: 15-7, 1 Mar 75 (Eng)

PHOSPHATE TRANSPORT IN RAT LIVER MITOCHONDRIA. MEMBRANE COMPONENTS LABELED BY N-ETHYLMALAMIDE DURING INHIBITION OF TRANSPORT. Coty WA, Pedersen PL *J Biol Chem* 250: 3515-21, 10 May 75 (Eng)

PHOSPHATE TRANSPORT IN SUBMITOCHONDRIAL PARTICLES. Rhodin TR, Racker E *Biochem Biophys Res Commun* 61: 1207-12, 23 Dec 74 (Eng)

TRANSPORT, PLACENTAL

PERFUSION OF THE RABBIT PLACENTA IN SITU, AS AN EXPERIMENTAL MODEL OF THE PLACENTAL TRANSPORT STUDIES.

Abuciewicz A, Szyska K *Acta Physiol Pol* 25: 91-5, Jan-Feb 74 (Eng)

TRANSPORT, POTASSIUM ION

STUDIES ON THE MECHANISM OF K& TRANSPORT IN YEAST. Pena A *Arch Biochem Biophys* 167: 397-409, Apr 75 (Eng)

TRANSPORT, PROTEIN

PROTEIN TRANSPORT ACROSS THE PLACENTA. Wild AE *Symp Soc Exp Biol* 521-46, 1974 (Eng) [66]

TRANSPORT, SODIUM

[THE EFFECT OF CATECHOLAMINES ON SODIUM TRANSPORT IN THE SKIN OF FROGS] Kuzmin OB *Farmakol Toksikol* 38: 64-6, Jan-Feb 75 (Rus)

TRANSPORT SYSTEM, ACTIVE

THE MECHANISM OF ARSENATE INHIBITION OF THE GLUCOSE ACTIVE TRANSPORT SYSTEM IN *NEUROSPORA CRASSA*. Scarborough GA *Arch Biochem Biophys* 166: 245-50, Jan 75 (Eng)

TRANSPORT, WATER

MEMBRANE PROTEINS RELATED TO WATER TRANSPORT IN HUMAN ERYTHROCYTES. Brown PA, Feinstein MB, Shaafi RI *Nature* 254: 523-5, 10 Apr 75 (Eng)

TREATMENT, LONG TERM

INSULIN ANTIBODY FORMATION DURING LONG-TERM TREATMENT WITH MONOCOMPONENT AND MONOSPECIES INSULIN. Piers DA, Sluiter WJ, Reitsma WD, Doorenbos H *Neth J Med* 17: 234-8, 1974 (Eng)

TRIACYLGLYCEROL

FREE FATTY ACIDS, DIACYL- AND TRIACYLGLYCEROLS AND TOTAL PHOSPHOLIPIDS IN VERTEBRATE RETINA: COMPARISON WITH BRAIN, CHOROID AND PLASMA. Aveland MI, Bazan NG *J Neurochem* 23: 1127-35, Dec 74 (Eng)

TRIAMCINOLONE EFFECT

HORMONAL REGULATION OF INCORPORATION OF ALANINE-U-14C INTO GLUCOSE IN HUMAN FETAL LIVER EXPLANTS. EFFECT OF DIBUTYRYL CYCLIC AMP, GLUCAGON, INSULIN, AND TRIAMCINOLONE. Schwartz AL, Rall TW *Diabetes* 24: 650-7, Jul 75 (Eng)

TRIGLYCERIDE

SEMI-AUTOMATED COLORIMETRIC DETERMINATION OF TRIGLYCERIDES. Edora P, Rockerbie RA *Clin Biochem* 8: 5-10, Feb 75 (Eng)

TRIGLYCERIDE, DIETARY

PHARYNGEAL LIPASE AND DIGESTION OF DIETARY TRIGLYCERIDE IN MAN. Hamosh M, Klaveman HL, Wolf RO, Scow RO *J Clin Invest* 55: 908-13, May 75 (Eng)

TRIGLYCERIDE LEVEL

EFFECT OF WEIGHT REDUCTION ON INSULIN RESPONSIVENESS AND TRIGLYCERIDE LEVELS IN PATIENTS WITH ENDOGENOUS HYPER-

TRIGLYCERIDAEMIA. De Vries O, Sluiter WJ, Reitsma WD, Doorenbos H *Neth J Med* 17: 212-19, 1974 (Eng)

TRIGLYCERIDE METABOLISM

SEX STEROID INFLUENCE ON TRIGLYCERIDE METABOLISM. Kim HJ, Kalkhoff RK *J Clin Invest* 56: 888-96, Oct 75 (Eng)

TRIGLYCERIDE, SERUM

SIMPLE MANUAL PROCEDURE FOR DETERMINATION OF SERUM TRIGLYCERIDES. Mendez J, Franklin B, Gahagan H *Clin Chem* 21: 768-70, May 75 (Eng)

A RELATIONSHIP BETWEEN SKINFOLD THICKNESS AND SERUM TRIGLYCERIDE CONCENTRATION. Williams DR *Guys Hosp Rep* 122: 331-3, 1973 (Eng)

PHYSIOLOGICAL VARIATIONS IN SERUM TRIGLYCERIDES. Savory J, Sobel RE *Ann Clin Lab Sci* 2: 126-31, Mar-Apr 72 (Eng)

L-TRIIODOTHYRONONE

ENHANCEMENT OF SOMATOMEDIN TITERS OF NORMAL AND HYPOPITUITARY SERA BY ADDITION OF L-TRIIODOTHYRONONE IN VITRO AT PHYSIOLOGICAL CONCENTRATIONS. Audhya TK, Gibson KD *Proc Natl Acad Sci USA* 72: 604-8, Feb 75 (Eng)

TROUT (SALMO GAIKNERII R.)

[EXISTENCE OF A PROTEIN KINASE ACTIVITY WHICH MAY BE STIMULATED BY 3,5-CYCLIC ADENOSINE MONOPHOSPHATE IN ADIPOSE TISSUE OF A TELEOSTEAN FISH, THE TROUT (SALMO GAIKNERII R.)] Fontaine-Bertrand E, Delerue-Le Belle N, Fontaine YA *Biochimie* 56: 1123-8, 1974 (Fre)

TRYPAN BLUE

PHYSIOLOGICAL EFFECTS OF HYPOXIA AND TRYPAN BLUE IN 17-DAY CHICK EMBRYOS. Hoffman DJ *Teratology* 12: 57-60, Aug 75 (Eng)

TRYPANOSOMA LEWISI

THE EFFECT OF SOME AMINO ACIDS ON CARBOHYDRATE UPTAKE BY TRYPANOSOMA LEWISI. Sanchez G *Comp Biochem Physiol [A]* 47: 553-8, 1 Feb 74 (Eng)

TRYPTOPHAN FLUORESCENCE

INTRINSIC TRYPTOPHAN FLUORESCENCE OF MEMBRANES OF GH3 PITUITARY CELLS: QUENCHING BY THYROTROPIN-RELEASING HORMONE. Imae T, Fasman GD, Hinkle PM, Tashjian AH Jr *Biochem Biophys Res Commun* 62: 923-32, 17 Feb 75 (Eng)

TSH

SEE THYROID STIMULATING HORMONE

TUBERCULOSIS

[EARLY DIAGNOSIS OF DIABETES IN TUBERCULOSIS] Trpenov I *God Zb Med Fak Skopje* 17: 703-8, 1971 (Ser)

TUBERCULOUS INFECTION, CHILD

[OUR EXPERIENCE WITH THE TUBERCULOUS INFECTION IN CHILDREN] Jokanovic R, Niketic M, Necic S *Srp Arh Celok Lek* 102: 866-73, Dec 74 (Ser)

Diabetes Literature—Keyword Index

TUBULAR FUNCTIONAL DISTURBANCE

TUBULAR FUNCTIONAL DISTURBANCE

[BARTTERS SYNDROME AND TUBULAR FUNCTIONAL DISTURBANCES] Fricker H, Frey K, Vallotton MB, Gugler E *Helv Paediatr Acta* 30: 61-77, May 75 (Ger)

UDP

SEE TRANSFERASE, URIDINE DIPHOSPHOGLUCORONYL

ULCER, DUODENAL

LETTER: VAGOTOMY FOR DUODENAL ULCER. Faber RG, Parkin JV, Hobsley M *Br Med J* 3: 436, 16 Aug 75 (Eng)

ULCERATION, CHRONIC

THE EFFECT OF CARBENOXOLONE SODIUM ON THE PLASMA 11-HYDROXYCORTICOID LEVELS IN CHRONIC GASTRIC ULCERATION. Gollan JL, Hecker R, Mackinnon AM *Aust N Z J Med* 5: 231-4, Jun 75 (Eng)

ULCERO MUTILATING ACROPATHY

[ACQUIRED ULCERO-MUTILATING ACROPATHIES IN ADULTS. CRITICAL STUDY OF 150 PERSONAL CASES] Barriere H, Litoux P, Bureau B, Guichenec P, Welin J *Sem Hop Paris* 51: 595-9, 20 Feb 75 (Fre)

UMBILICAL CATHETER

BLOOD SAMPLING THROUGH UMBILICAL CATHETERS. Brown DR, Fenton LJ, Tsang RC *Pediatrics* 55: 257-60, Feb 75 (Eng)

UMBILICAL CORD, HUMAN

COMPARATIVE STUDY OF LIPOLYTIC ACTIVITIES OF RABBIT AND RAT AORTAS AND ARTERIES OF HUMAN UMBILICAL CORD. Stefanovich V, Balogh K *Comp Biochem Physiol* [B] 50: 159-63, 15 Jan 75 (Eng)

UNDERNUTRITION EFFECT

THE EFFECTS OF UNDERNUTRITION AND ITS RELIEF ON INTESTINAL CALCIUM TRANSPORT IN THE RAT. Adams PH, Hill LF, Wain D, Taylor C *Calcif Tissue Res* 16: 293-303, 1974 (Eng)

UNIVERSITY GROUP DIABETES PROGRAM

MISUNDERSTANDING OR ERROR THE UGDP REPORT AFTER FOUR YEARS. Marigo S, Adezati L, Burnett P, Pozza G, Robba L, Urbinati G *Acta Diabetol Lat* 11: 357-422, Sep-Oct 74 (Eng) [83]

35-SUPTAKE

THE EFFECTS OF HIGH TREATMENT ON SOMATOMEDIN LEVELS IN THE SERUM (AS DETERMINED BY 35-S UPTAKE INTO CARTILAGE). Schimpff RM, Donnadiou M, Gourmelen M, Girard F *Horm Metab Res* 6: 494-8, Nov 74 (Eng)

UPTAKE PATTERN

UPTAKE PATTERNS AND TRANSPORT ENHANCEMENTS IN CULTURES OF HAMSTER CELLS DEPRIVED OF CARBOHYDRATES. Ulrey D, Gammon MT, Kalckar HM *Arch Biochem Biophys* 167: 410-6, Apr 75 (Eng)

UREA CYCLE

TOXICITY ARISING FROM THE UREA CYCLE. Cohen BD, Handelsman DG, Pai BN *Kidney Int* [Suppl] 285-7, Feb 75 (Eng)

UREMIA

MAINTENANCE DIALYSIS FOR DIABETIC NEPHROPATHY WITH UREMIA. Huang C, del Greco F, Ivanovich P, Krumlovsky FA, Roguska J, Simon NM, Hano J *J Chronic Dis* 28: 363-74, Aug 75 (Eng)

MAINTENANCE PERITONEAL DIALYSIS AS AN ALTERNATIVE IN THE PATIENT WITH DIABETES MELLITUS AND END-STAGE UREMIA. Blumenkrantz MJ, Shapiro DJ, Mimura N, Greopoulos DG, Griedler RM, Levin S, Tenckhoff H, Coburn JW *Kidney Int* [Suppl] 108-14, Oct 74 (Eng)

ENDOCRINOLOGY AND METABOLISM IN UREMIA AND DIALYSIS: A CLINICAL REVIEW. Feldman HA, Singer I *Medicine* (Baltimore) 54: 345-76, Sep 75 (Eng)

[RELATIONSHIP BETWEEN UREMIA POLYNEUROPATHY, UREMIC GLUCOSE METABOLISM DISORDER AND SEVERITY OF UREMIC INTOXICATION IN DIALYSIS PATIENTS] Goubeaud G, Kunze K, Hohmann KH, Schutterle G, Biro G *Verh Dtsch Ges Inn Med* 80: 728-31, 1974 (Ger)

UREMIA TOXIN

[UREMIA TOXINS: EFFECT OF MEDIUM AND HIGH MOLECULAR FRACTIONS FROM NORMAL URINE ON GLUCONEOGENESIS OF THE KIDNEY CORTEX SECTIONS IN THE RAT] Lamberts B, Brunner H, Heintz R *Verh Dtsch Ges Inn Med* 80: 722-5, 1974 (Ger)

UREMIC PATIENT

CARDIOVASCULAR DISEASE IN UREMIC PATIENTS ON HEMODIALYSIS. Lazarus JM, Lowrie EG, Hampers CL, Merrill JP *Kidney Int* [Suppl] 167-75, Jan 75 (Eng) [56]

URETHANE ANESTHETIZED RAT

PASMA GROWTH HORMONE RESPONSES TO THYROTROPIN-RELEASING HORMONE IN THE URETHANE-ANESTHETIZED RAT. Kato Y, Chihara K, Maeda K, Ogo S, Okanishi Y *Endocrinology* 96: 1114-8, May 75 (Eng)

URIDINE DIPHOSPHATE GLUCOSE

ROLE OF URIDINE DIPHOSPHATE GLUCOSE IN THE BIOSYNTHESIS OF STARCH. MECHANISM OF FORMATION AND ENLARGEMENT OF A GLUCOPROTEIC ACCEPTOR. Lavintman B, Tandecarz J, Carceller M, Mendiara S, Cardini CE *Eur J Biochem* 50: 145-55, 16 Dec 74 (Eng)

URINARY BLADDER, TOAD

PROCEEDINGS: ANOMALOUS PERMEATION OF SMALL LIPOPHILIC SOLUTES ACROSS TOAD URINARY BLADDER. Bindlev N, Wright EM *J Physiol (Lond)* 242: 120P-121P, Oct 74 (Eng)

URINE

[UREMIA TOXINS: EFFECT OF MEDIUM AND HIGH MOLECULAR FRACTIONS FROM NORMAL URINE ON GLUCONEOGENESIS OF THE KIDNEY CORTEX SECTIONS IN THE RAT] Lamberts B, Brunner H, Heintz R *Verh Dtsch Ges Inn Med* 80: 722-5, 1974 (Ger)

UTERUS, HUMAN

PROCEEDINGS: IN-VITRO METABOLISM OF PROSTAGLANDINS IN TISSUES FROM THE PREGNANT HUMAN UTERUS. Keirne MJ, Turnbull AC *J Endocrinol* 64: 18p, Jan 75 (Eng)

VAGOTOMY

LETTER: VAGOTOMY FOR DUODENAL ULCER. Faber RG, Parkin JV, Hobsley M *Br Med J* 3: 436, 16 Aug 75 (Eng)

VAGOTOMY, PARIETAL CELL

PARIETAL CELL VAGOTOMY. Cumberland VH, Coupland GA *Med J Aust* 2: 39-42, 12 Jul 75 (Eng)

VALVE REPLACEMENT

ADMINISTRATION OF GLUCOSE-INSULIN-POTASSIUM SOLUTION (GIK) AND VALVE REPLACEMENT IN PATIENTS WITH ADVANCED VALVULAR DISEASE. Asano K, Sakashita I, Ando T *J Cardiovasc Surg (Torino)* SPEC NO: 370-3, 1975 (Eng)

VALVULAR DISEASE

ADMINISTRATION OF GLUCOSE-INSULIN-POTASSIUM SOLUTION (GIK) AND VALVE REPLACEMENT IN PATIENTS WITH ADVANCED VALVULAR DISEASE. Asano K, Sakashita I, Ando T *J Cardiovasc Surg (Torino)* SPEC NO: 370-3, 1975 (Eng)

VASCULAR BED, PULMONARY

THE EFFECT OF INCREASED PULMONARY BLOOD FLOW ON THE PULMONARY VASCULAR BED IN PIGS. Friedli B, Kent G, Kidd BS *Pediatr Res* 9: 547-53, Jun 75 (Eng)

VASCULAR COMPLICATION

RED CELL 2, 3-DIPHOSPHOGLYCERATE LEVELS AMONG DIABETIC PATIENTS WITH AND WITHOUT VASCULAR COMPLICATIONS. Kanter Y, Bessman SP, Bessman A *Diabetes* 24: 724-9, Aug 75 (Eng)

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: VASCULAR AND VISUAL COMPLICATIONS. Anonymous *Kidney Int* [Suppl] 41-6, Oct 74 (Eng)

VEGETABLE FAT EFFECT

[CHANGES IN THE LIPOLYTIC ACTIVITY OF THE ARTERIAL WALL IN ALBINO RATS I. EFFECT OF ANIMAL AND VEGETABLE FATS] Mitkov D, Milenkov H *Folia Med (Plovdiv)* 10: 359-62, 1968 (Bul)

VEGETARIANS

PLASMA LIPIDS AND LIPOPROTEINS IN VEGETARIANS AND CONTROLS. Sacks FM, Castelli WP, Donner A, Kass EH *N Engl J Med* 292: 1148-51, 29 May 75 (Eng)

VEILLONELLA ALCALESCENS

AMINO ACID TRANSPORT IN MEMBRANE VESICLES OF OBLIGATELY ANAEROBIC VEILLONELLA ALCALESCENS. Konings WN, Boonstra J, De Vries W *J Bacteriol* 122: 245-9, Apr 75 (Eng)

VEIN, PORTAL

PROCEEDINGS: BLOOD FLOW AND FREE AMINO NITROGEN (FAN) CONCENTRATION IN THE PORTAL VEIN OF THE PIG.

Diabetes Literature—Keyword Index

YELLOW PERCH

Farrell DJ, Jones AS, Webster AJ, White F *Proc Nutr Soc* 33: 32a-33a, Sep 74 (Eng)

VENTRICULAR ARRHYTHMIA

CONTROL OF VENTRICULAR ARRHYTHMIAS DURING MYOCARDIAL INFARCTION BY ANTILIPOLYTIC TREATMENT USING A NICOTINIC-ACID ANALOGUE. Rowe MJ, Neilson JM, Oliver MF *Lancet* 1: 295-300, 8 Feb 75 (Eng)

VENTRICULAR FUNCTION, LEFT

[EFFECT OF GLUCAGON ON THE LEFT VENTRICULAR FUNCTION IN PATIENTS WITH CONGESTIVE HEART FAILURE (AUTHORS TRANSL)] Dubiel JS, Pyzik A, Szczeklik J, Dubiel JP, Cibor E *Przegl Lek* 32: 662-8, 1975 (Pol)

LETTERS TO THE EDITOR: LEFT VENTRICULAR FUNCTION IN DIABETES MELLITUS. Rubler S *Am Heart J* 90: 538, Oct 75 (Eng)

VENTROMEDIAL LESION, HYPOTHALAMIC

EFFECTS OF SOMATOSTATIN AND HYPOTHALAMIC VENTROMEDIAL LESIONS ON GH RELEASE INDUCED BY MORPHINE. Martin JB, Audet J, Saunders A *Endocrinology* 96: 839-47, Apr 75 (Eng)

VERTICAL OSCILLATION

AN ELECTRO-OCULOGRAPHIC STUDY OF OCULAR BOBBING AND INTERMITTENT VERTICAL OSCILLATIONS OCCURRING IN THE SAME PATIENT. Nakanishi T, Inoue K, Shimada Y, Toyokura Y *J Neuro* 210: 161-6, 22 Sep 75 (Eng)

VESICLE

STIMULATION OF TRANSPORT INTO ESCHERICHIA COLI MEMBRANE VESICLES BY INTERNALLY GENERATED REDUCED NICOTINAMIDE ADENINE DINUCLEOTIDE. Futai M *J Bacteriol* 120: 861-5, Nov 74 (Eng)

VESSEL, SMALL

THE EFFECT OF AGE AND THE DURATION OF DIABETES MELLITUS ON THE WIDTH OF THE BASEMENT MEMBRANE OF SMALL VESSELS. Campbell MJ *Aust Dent J* 19: 414-9, Dec 74 (Eng)

VIABILITY

INSULIN AND HYDROCORTISONE EFFECTS ON VIABILITY AND GLYCOGEN STORES OF POSTNATAL RAT LIVER ORGAN CULTURE. Reed GB, Grisham JW *Lab Invest* 33: 298-304, Sep 75 (Eng)

VIRAL HEPATITIS

[HEMOSTASIS IN COMATOUS AND SUBCOMATOUS PATIENTS WITH VIRAL HEPATITIS] Velkova-Simova N, Grunevska B *God Zb Med Fak Skopje* 17: 177-86, 1971 (Ser)

[VIRAL HEPATITIS AND DIABETES MELLITUS] Trunevska B, Mironski S, Karovski K, Plasevski A, Petrovski K *God Zb Med Fak Skopje* 17: 407-13, 1971 (Ser)

[EFFECT OF GLUCAGON ON INSULIN SECRETION IN ACUTE VIRAL HEPATITIS] Kiczka W, Juszczak J, Adamek J, Kosowicz J, Porawska J *Pol Tyg Lek* 30: 1295-8, 4-11 Aug 75 (Pol)

[BLOOD INSULIN IN VIRAL HEPATITIS] Pieterowa R, Torzecka W, Fabianowski J, Stempien R, Polakowski P *Pol Tyg Lek* 30: 1385-8, 25 AUG 75 (Pol)

VIRUS ETIOLOGY

[LETTER: VIRUS ETIOLOGY OF DIABETES MELLITUS] Mehner H *Dtsch Med Wochenschr* 100: 1997, 26 Sep 75 (Ger)

VISUAL ANALYZER

[ROLE OF SPECIFIC IMPULSES IN THE POSTNATAL FORMATION OF CHEMICAL ACTIVITY IN MICROSTRUCTURES OF THE ANIMAL BRAIN VISUAL ANALYZER] Pigareva ZD *Usp Sovrem Biol* 79: 48-63, Jan-Feb 75 (Rus) [97]

VISUAL COMPLICATION

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: VASCULAR AND VISUAL COMPLICATIONS. Anonymous *Kidney Int [Suppl]* 41-6, Oct 74 (Eng)

VITAMIN

THE VITAMIN CONCEPT. Morton RA *Vitam Horm* 32: 155-66, 1974 (Eng) [70]

VITAMIN A

[VITAMIN A AND BIOLOGICAL MEMBRANES. IV. CHANGES INDUCED BY A VITAMIN A DEFICIENT DIET IN THE FATTY ACID COMPOSITION OF THE STROMA OF ALBINO RAT ERYTHROCYTES] Carhini L, Dazzi E, Padalino A *Acta Vitaminol Enzymol (Milano)* 28: 199-202, 1974 (Ita)

VITAMIN A DEFICIENT

[VITAMIN A AND BIOLOGICAL MEMBRANES. IV. CHANGES INDUCED BY A VITAMIN A DEFICIENT DIET IN THE FATTY ACID COMPOSITION OF THE STROMA OF ALBINO RAT ERYTHROCYTES] Carhini L, Dazzi E, Padalino A *Acta Vitaminol Enzymol (Milano)* 28: 199-202, 1974 (Ita)

VITAMIN B6

THE EFFECT OF VITAMINE B6 ON ALANINE TRANSPORT IN TURTLE INTESTINE. Hajjar JJ, Khatib AH *Comp Biochem Physiol [A]* 47: 1135-44, 1 Apr 74 (Eng)

VITAMIN B6 EFFECT

THE EFFECT OF VITAMINE B6 ON ALANINE TRANSPORT IN TURTLE INTESTINE. Hajjar JJ, Khatib AH *Comp Biochem Physiol [A]* 47: 1135-44, 1 Apr 74 (Eng)

VITAMIN K1

STUDIES ON THE ABSORPTION AND METABOLISM OF PHYLLIOQUINONE (VITAMIN K1) IN MAN. Shearer MJ, McBurney A, Barkhan P *Vitam Horm* 32: 513-42, 1974 (Eng) [34]

VITRECTOMY

VITRECTOMY IN THE TREATMENT OF SEVERE DIABETIC RETINOPATHY, WITH FOLLOW-UP. Mandelcorn M, Machemer R *Mod Probl Ophthalmol* 15: 226, 1975 (Eng)

MICROSURGICAL ROTO-EXTRACTOR INSTRUMENT FOR VITRECTOMY. Douvas NG *Mod Probl Ophthalmol* 15: 253-60, 1975 (Eng)

HISTOPATHOLOGY AFTER VITRECTOMY WITH THE VITROPHAGE. Weinberg RS, Peyman GA, Apple DJ *Albrecht von Graefes Arch Klin Ophthalmol* 196: 133-42, 6 Aug 75 (Eng)

VITROPHAGE

HISTOPATHOLOGY AFTER VITRECTOMY WITH THE VITROPHAGE. Weinberg RS, Peyman GA, Apple DJ *Albrecht von Graefes Arch Klin Ophthalmol* 196: 133-42, 6 Aug 75 (Eng)

WATER REGULATION

NEUROLEPTIC-INDUCED DEFICITS IN FOOD AND WATER REGULATION: SIMILARITIES TO THE LATERAL HYPOTHALAMIC SYNDROME. Zis AP, Fibiger HC *Psychopharmacologia* 43: 63-8, 23 Jul 75 (Eng)

WEIGHT LOSS

INFLUENCE OF A SPECIAL CAMP PROGRAM FOR OBESE BOYS ON WEIGHT LOSS, SELF-CONCEPT, AND BODY IMAGE. Rohrbacher R *Res Q Am Assoc Health Phys Educ* 44: 150-7, May 73 (Eng)

WEIGHT REDUCTION EFFECT

EFFECT OF WEIGHT REDUCTION ON INSULIN RESPONSIVENESS AND TRIGLYCERIDE LEVELS IN PATIENTS WITH ENDOGENOUS HYPERTRIGLYCERIDAEMIA. De Vries O, Sluiter WJ, Reitsma WD, Doorenbos H *Neth J Med* 17: 212-19, 1974 (Eng)

WHIPPLES OPERATION

THE ENTERAL INSULIN-STIMULATION AFTER WHIPPLES OPERATION. Rehfeld JF, Stadil F, Baden H, Fischerman K *Diabetologia* 11: 207-10, Jun 75 (Eng)

WOMAN

CHANGES IN PLASMA CORTISOL, GLUCOSE AND FREE FATTY ACIDS AFTER CAFFEINE INGESTION IN OBESE WOMEN. Oberman Z, Herzberg M, Jaskolka H, Harell A, Hoerer E, Laurian L *Isr J Med Sci* 11: 33-6, Jan 75 (Eng)

[CHARACTERISTICS OF THE PLACENTAL MITOCHONDRIA IN WOMEN AT VARIOUS PERIODS OF PHYSIOLOGICAL PREGNANCY] Bulienko SD, Kisilevich RSh, Skvarko SI, Matyniak LG *Ukr Biokhim Zh* 46: 492-5, Jul-Aug 74 (Ukr)

WORK CAPACITY

[EVALUATION OF WORK CAPACITY IN DIABETICS] Frenkel J, Berber S *Med Pregl* 28: 263-7, 1975 (Ser)

X-RAY DIFFRACTION

X-RAY DIFFRACTION STUDIES OF HUMAN ERYTHROCYTE MEMBRANE STRUCTURE. Stamatoff JB, Krimm S, Harvie NR *Proc Natl Acad Sci USA* 72: 531-4, Feb 75 (Eng)

YEAST

STUDIES ON THE MECHANISM OF K⁺ TRANSPORT IN YEAST. Pena A *Arch Biochem Biophys* 167: 397-409, Apr 75 (Eng)

YELLOW PERCH

ERYTHROCYTE METABOLISM IN THE YELLOW PERCH (*PERCA FLAVESCENS MITCHILL*). I. GLYCOLYTIC ENZYMES. Bachand L, Leray C *Comp Biochem Physiol [B]* 50: 567-70, 15 Apr 75 (Eng)

YOUNG

YOUNG

ACUTE-PHASE INSULIN SECRETION AND GLUCOSE TOLERANCE IN YOUNG AND AGED NORMAL MEN AND DIABETIC PATIENTS. Palmer JP, Ensick JW *J Clin Endocrinol Metab* 41: 498-503, Sep 75 (Eng)

ACUTE COLD EXPOSURE AND THE METABOLISM OF BLOOD GLUCOSE, LACTATE AND PYRUVATE, AND PLASMA AMINO ACIDS IN THE HIND LEG OF THE FED AND FASTED YOUNG OX. Bell AW, Gardner JW, Manson W, Thompson GE *Br J Nutr* 33: 207-17, Mar 75 (Eng)

Diabetes Literature—Author Index

Subject headings are included only under first author.

Aarseth S

[PROGRESS IN THE TREATMENT OF DIABETIC COMA] Aarseth S *Tidsskr Nor Lægeforen* 95: 1426-7, 10 Sep 75 (Nor)
DIABETIC COMA (drug therapy); HUMAN; INJECTIONS, INTRAVENOUS; INJECTIONS, SUBCUTANEOUS; INSULIN (therapeutic use, administration & dosage).

Abe T

[PROCEEDINGS: PITUITARY APOPLEXY COMPLICATING THE CLINICAL COURSE OF ACROMEGALY] Abe T, Hino M, Shimoyama A, Hirata Y *Folia Endocrinol Jpn* 50: 283, 20 Feb 74 (Jpn)

ACROMEGALY (complications, blood); HUMAN; MALE; MIDDLE AGE; PITUITARY DISEASES (complications, blood); SOMATOTROPIN (blood).

Abelson DC

SALIVARY ALTERATIONS IN DIABETES MELLITUS. Marder MZ, Abelson DC, Mandel ID *J Periodontol* 46: 567-9, Sep 75 (Eng)

Abiko Y

GLYCOGEN METABOLISM AND THE EFFECT OF NITROGLYCERIN ON THE GLYCOGEN METABOLISM IN THE NORMAL AND ISCHEMIC CANINE MYOCARDIUM. Ichihara K, Abiko Y *Experientia* 31: 477-9, 15 Apr 75 (Eng)

Aboud LG

FLUIDITY IN HYDROPHOBIC PROTEIN REGIONS OF SYNAPTIC MEMBRANES. Hoss W, Aboud LG *Eur J Biochem* 50: 177-81, 16 Dec 74 (Eng)

Abramsky O

CELLULAR IMMUNE RESPONSE TO PERIPHERAL NERVE BASIC PROTEIN IN IDIOPATHIC FACIAL PARALYSIS (BELLS PALSY). Abramsky O, Webb C, Teitelbaum D, Arnon R *J Neurol Sci* 26: 13-20, Sep 75 (Eng)

ADOLESCENCE; ADULT; DIABETES MELLITUS (complications); ENCEPHALITIC BASIC PROTEINS (immunology); FACIAL PARALYSIS (immunology, complications, drug therapy); FEMALE; HUMAN; IMMUNITY, CELLULAR; LYMPHOCYTE TRANSFORMATION; MALE; MIDDLE AGE; NERVE TISSUE PROTEINS (immunology); PERIPHERAL NERVES (immunology); PLANT AGGLUTININS; POLYRADICULITIS (immunology); PREDNISONE (therapeutic use); PREGNANCY COMPLICATIONS; PREGNANCY; PUERPERAL DISORDERS; RECEPTORS, CHOLINERGIC.

Abuciewicz A

PERFUSION OF THE RABBIT PLACENTA IN SITU, AS AN EXPERIMENTAL MODEL OF THE PLACENTAL TRANSPORT STUDIES. Abuciewicz A, Szyszka K *Acta Physiol Pol* 25: 91-5, Jan-Feb 74 (Eng)

AMINO BENZOIC ACIDS (administration & dosage); ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT; FEMALE; GLUCOSE (administration & dosage); MATERNAL-FETAL EXCHANGE; METHODS; MODELS, BIOLOGICAL; PERFUSION (instrumentation); PLACENTA (metabolism); PREGNANCY; PROCAINE (administration & dosage); RABBITS; TIME FACTORS.

Ack M

PSYCHOLOGICAL PROBLEMS IN LONG-STANDING INSULIN-DEPENDENT DIABETIC PATIENTS. Ack M *Kidney Int [Suppl]* 141-3, Oct 74 (Eng)

ADAPTATION, PSYCHOLOGICAL; ADOLESCENCE; AGE FACTORS; ANXIETY; ATTITUDE TO HEALTH; CHILD; CHILD, PRESCHOOL; DEPENDENCY (PSYCHOLOGY); DIABETES MELLITUS, JUVENILE (prevention & control); FEMALE; HUMAN; INSULIN (therapeutic use); MALE; PSYCHOLOGY; SELF CONCEPT.

Adam PA

INHIBITORY EFFECT OF PREDNISONE ON INSULIN SECRETION IN MAN: MODEL FOR DUPLICATION OF BLOOD GLUCOSE CONCENTRATION. Kalhan SC, Adam PA *J Clin Endocrinol Metab* 41: 600-10, Sep 75 (Eng)

Adamany AM

GLYCOPROTEIN BIOSYNTHESIS: STUDIES ON THYROID MANNOSYLTRANSFERASES. I. ACTION ON GLYCOPOLYMERIDES AND SIMPLE GLYCOSIDES. Adamany AM, Spiro RG *J Biol Chem* 250: 830-41, 25 Apr 75 (Eng)

ANIMAL EXPERIMENTS; CATIONS, DIVALENT; CATTLE; DINITROPHENOLS; DISACCHARIDES; GLYCOPOLYMERIDES; GLYCOPROTEINS (biosynthesis); GLYCOSIDES; HEXOSYLTRANSFERASES (metabolism); HYDROGEN-ION CONCENTRATION; KINETICS; MANNOSE; NUCLEOSIDE DIPHOSPHATE SUGARS; STRUCTURE-ACTIVITY RELATIONSHIP; THYROGLOBULIN; THYROID GLAND (enzymology); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Adamek J

[EFFECT OF GLUCAGON ON INSULIN SECRETION IN ACUTE VIRAL HEPATITIS] Kiczka W, Juszczyk J, Adamek J, Kosowicz J, Porawska J *Pol Tyg Lek* 30: 1295-8, 4-11 Aug 75 (Pol)

Adamopoulos DA

PATTERN OF CSF GLUCOSE CONCENTRATION AFTER INDUCED HYPERGLYCAEMIA IN PATIENTS WITH ACUTE MENINGITIS AND EVIDENCE OF CEREBROSPINAL CANAL OBSTRUCTION. Contoyiannis PA, Adamopoulos DA, Leventis AS *Eur Neurol* 13: 476-80, 1975 (Eng)

Adams CW

REVERSIBILITY OF ATHEROSCLEROSIS. Adams CW *Guys Hosp Rep* 122: 327-30, 1973 (Eng)

ANIMAL EXPERIMENTS; ARTERIOSCLEROSIS (diet therapy); ATHEROSCLEROSIS (diet therapy, etiology); CHOLESTEROL, DIETARY; DELAYED-ACTION PREPARATIONS; DIET; ATHEROGENIC; DIETARY FATS; EXTRACELLULAR SPACE (metabolism); HUMAN; LIPIDS (metabolism, analysis); MACROPHAGES; MONKEYS; MUSCLE, SMOOTH (analysis); MYELIN SHEATH (metabolism); PHAGOCYTOSIS; RABBITS; RETICULOENDOTHELIAL SYSTEM (analysis); WALLERIAN DEGENERATION; XANTHOMATOSIS (metabolism).

Adams JE

ALTERED HYPOTHALAMIC-PITUITARY-ADRENAL RESPONSIVENESS TO DEXAMETHASONE-INSULIN TOLERANCE TEST IN ACTIVE ACROMEGALY. Hofeldt FD, Levin SR, Von Werder K, Becker N, Schneider V, Hane S, Seymour R, Adams JE, Forsham PH *J Clin Endocrinol Metab* 41: 399-401, Aug 75 (Eng)

Adams PH

THE EFFECTS OF UNDERNUTRITION AND ITS RELIEF ON INTESTINAL CALCIUM TRANSPORT IN THE RAT. Adams PH, Hill LF, Wain D, Taylor C *Calcif Tissue Res* 16: 293-303, 1974 (Eng)

AGE FACTORS; ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT, ACTIVE; BONE AND BONES (analysis); BONE DEVELOPMENT; CALCIUM (metabolism); CALCIUM, DIETARY; DUODENUM (metabolism); NUTRITION DISORDERS (metabolism); RATS, INBRED STRAINS; VITAMIN D.

Adel-Kader MM

BIOCHEMICAL CHANGES IN LYMPH INDUCED BY HAEMORRHAGIC SHOCK IN DOGS. Badrain IG, Adel-Kader MM, Ismail AA, Iskander F, Said MI, Barsoum MS *J Egypt Med Assoc* 57: 72-9, 1974 (Eng)

Adelstein AM

NATIONAL STATISTICS. Adelstein AM *Postgrad Med J* 51 SUPPL 2: SUPPL 15057-67, 1975 (Eng)

ADOLESCENCE; BURNS; CHILD; CHILD, HOSPITALIZED; CHILD, PRESCHOOL; DIABETES MELLITUS, JUVENILE; ENGLAND; ENVIRONMENTAL HEALTH; FEMALE; HOSPITAL RECORDS; HUMAN; INFANT; INFANT, NEWBORN; MALE; MEDICAL RECORDS; MORBIDITY; MORTALITY; POISONING; PREGNANCY; PROSPECTIVE STUDIES; RETROSPECTIVE STUDIES; SOCIOECONOMIC FACTORS; STATISTICS; VITAL STATISTICS; WOUNDS AND INJURIES.

Adezati L

MISUNDERSTANDING OR ERROR THE UGDP REPORT AFTER FOUR YEARS. Marigo S, Adezati L, Burnett P, Pozza G, Robba L, Urbinati G *Acta Diabetol Lat* 11: 357-422, Sep-Oct 74 (Eng) [83]

Adler JH

HYPERINSULINEMIA, INSULIN RESISTANCE AND CATARACT FORMATION IN SAND RATS. Gutman A, Andreus A, Adler JH *J Med Sci* 11: 714-22, Jul 75 (Eng)

Adler RA

POSTPRANDIAL HYPOGLYCEMIA. FACT OR FICTION Hofeldt FD, Adler RA, Herman RH *JAMA* 233: 1309, 22 Sep 75 (Eng)

Adlercreutz H

STUDIES ON THE MASS FRAGMENTOGRAPHIC DETERMINATION OF PLASMA ESTRIOL. Adlercreutz H, Nylander P, Hänninen DH *Biomass Mass Spectrom* 1: 332-9, Oct 74 (Eng)

ESTRIOL (blood, metabolism); FEMALE; HUMAN; MASS FRAGMENTOGRAPHY (methods); PREGNANCY IN DIABETES (blood);

Diabetes Literature—Author Index

Affonso OR

PREGNANCY COMPLICATIONS;
HEMATOLOGIC (blood); PREGNANCY
TOXEMIAS (blood); PREGNANCY.

Affonso OR

INFLUENCE OF NUTRITIONAL CHANGES ON
LIPOPROTEIN LIPASE ACTIVITY. II: THE
EFFECT OF HIGH FAT INTAKE ON LEVELS
OF ENZYME OF RAT ADIPOSE TISSUE.
Ribeiro LP, Schettino CM, Affonso OR,
Mitidieri E *Rev Bras Biol* 31: 219-23, Jun 71
(Eng)

Agid R

[NN-DIMETHYLBIGUANIDE ATTENUATES
THE LIPID DISORDERS OF RATS ON AN
ATHEROGENIC DIET] Esteve B, Marquie G,
Agid R *C R Acad Sci [D] (Paris)* 280: 2465-8, 2
Jun 75 (Fre)

Agardi E

CLINICAL EVALUATION OF TIBRIC ACID (CP
18,524) A NEW HYPOLIPIDEMIC AGENT.
Sirtori CR, Zoppi S, Quarisa B, Agardi E *Phar-
macol Res Commun* 6: 445-56, Oct 74 (Eng)

Aguliar M

[CLINICAL STUDY OF A NEW SYNTHETIC
STEROID IN THE TREATMENT OF
BRONCHIAL ASTHMA] Pacheco CR, Valdez-
Ochoa S, Naranjo F, Alvarez H, Aguilar M,
Saavedra M *Gac Med Mex* 104: 313-9, Oct 72
(Spa)

Aitian SKh

[PERMEABILITY OF THE SODIUM CHANNEL
OF BIOMEMBRANES IN THE PRESENCE OF
A FIXED ANION CENTER] Aitian SKh, Chiz-
madzhev IuA *Dokl Akad Nauk SSSR* 220: 1203-
6, 1975 (Rus)
BIOLOGICAL TRANSPORT; IONS;
MATHEMATICS; MEMBRANES; MODELS,
BIOLOGICAL; SODIUM.

Ajlouni K

THE EFFECT OF HYPOGLYCEMIA ON
HYPOTHALAMIC THYROTROPIN-RELEAS-
ING HORMONE (HRH) IN THE RAT. Leung Y,
Guansing AR, Ajlouni K, Hagen TC, Rosenfeld
PS, Barboriak JJ *Endocrinology* 97: 380-4, Aug
75 (Eng)

EFFECT OF GLUCOSE ON THE GROWTH
HORMONE RESPONSE TO L-DOPA IN NOR-
MAL AND DIABETIC SUBJECTS. Ajlouni K,
Martinson DR, Hagen TC *Diabetes* 24: 633-6, Jul
75 (Eng)

ADULT; BLOOD SUGAR (metabolism);
DIABETES MELLITUS (blood, physiopathology);
GLUCOSE (pharmacodynamics); HUMAN;
HYPERGLYCEMIA (blood); HYPOTHALAMUS
(physiopathology); LEVODOPA
(pharmacodynamics); MALE; PITUITARY
GLAND (physiopathology); SOMATOTROPIN
(blood).

Alberti KG

METABOLIC RHYTHMS IN NORMAL AND
DIABETIC MAN. STUDIES IN INSULIN-
TREATED DIABETES. Alberti KG, Dornhorst
A, Rowe AS *Isr J Med Sci* 11: 571-80, Jun 75
(Eng)

ADULT; AGED; BLOOD SUGAR (analysis);
CIRCADIAN RHYTHM; DIABETES MELLITUS
(blood, drug therapy); FEMALE; GLYCERIN
(blood); HUMAN; INSULIN (therapeutic use,
administration & dosage); KETONE BODIES
(blood); LACTATES (blood); MALE; MIDDLE
AGE; PYRUVATES (blood); SOMATOTROPIN
(blood).

LETTER: INTRAVENOUS INSULIN BOLUSES
IN TREATMENT OF DIABETIC COMA. Al-
berti KG *Lancet* 2: 547-8, 20 Sep 75 (Eng)
DIABETIC COMA (drug therapy); HUMAN;
INFUSIONS, PARENTERAL; INJECTIONS,
INTRAVENOUS; INSULIN (administration &
dosage, therapeutic use).

Alex M

SPECIAL ISSUE ON ATHERO-ARTERIOS-
CLEROSIS. AN ICONOCLASTIC VIEW OF
CURRENT CONCEPTS CONCERNING GENE-
SIS, PREVENTION, AND CONTROL. Blu-
menthal HT, Alex M *Gerontologia* 21: 129-75,
1975 (Eng)

Alexander DP

IMPERMEABILITY OF THE SHEEP PLACEN-
TA TOWARDS ENDOGENOUS PROLACTIN.
Alexander DP, Britton HG, Buttle HL, Nixon
DA *Res Vet Sci* 14: 271-2, Mar 73 (Eng)
ANIMAL EXPERIMENTS; FEMALE;
MATERNAL-FETAL EXCHANGE;
PERFUSION; PERMEABILITY; PLACENTA
(physiology); PREGNANCY; PROLACTIN
(blood, analysis); RADIOIMMUNOASSAY;
RESERPINE (pharmacodynamics); SHEEP
(physiology); TIME FACTORS.

Alexander K

[PERIPHERAL ARTERIAL DISEASE AND
DIABETES MELLITUS(AUTHORS TRANSL)]
Jarosch-von Schweder W, Huchzermeyer H,
Alexander K, Mitzkat HJ *Dtsch Med Wochenschr*
100: 1827-32, 12 Sep 75 (Ger)

al-Gauhari AA

THE EFFECT OF ESSENTIAL FATTY ACIDS
DEFICIENCY ON THE NITROGEN
METABOLISM OF RATS. al-Nagdy SA, al-Gau-
hari AA, el-Sabbagh ME, Elise EA *Comp
Biochem Physiol [A]* 47: 835-43, 1 Mar 74 (Eng)

al-Nagdy SA

THE EFFECT OF ESSENTIAL FATTY ACIDS
DEFICIENCY ON THE NITROGEN
METABOLISM OF RATS. al-Nagdy SA, al-Gau-
hari AA, el-Sabbagh ME, Elise EA *Comp
Biochem Physiol [A]* 47: 835-43, 1 Mar 74 (Eng)
ALANINE (blood); AMINO ACIDS (blood);
ANIMAL EXPERIMENTS; BODY WEIGHT
(drug effects); CREATININE (blood); DIETARY
FATS; FATTY ACIDS, ESSENTIAL (deficiency,
blood); FEMALE; MALE; NITROGEN
(metabolism); PROTEINS (metabolism); RATS
(metabolism); TYROSINE (blood); UREA
(blood); URIC ACID (blood).

Allain D

[RENAL VEIN THROMBOSIS IN THE NEW-
BORN INFANT. Demarque JL, Tavernier J,
Babin JP, de Cacqueray C, Auzeir J, Allain D,
Martin C *Arch Fr Pediatr* 32: 381-92, Apr 75
(Fre)

Allen DO

PERFUSED FAT CELLS. Allen DO, Largis EE,
Katoos AS Jr, Ashmore J *Methods Enzymol* 35:
607-12, 1975 (Eng)
ADIPOSE TISSUE (metabolism, cytology, drug
effects); ANIMAL EXPERIMENTS; CATTLE;
EPINEPHRINE (metabolism,
pharmacodynamics); GLYCERIN (metabolism);
IN VITRO; LIPID MOBILIZATION (drug effects);
METHODS; PERFUSION; RATS; SERUM
ALBUMIN, BOVINE; TIME FACTORS.

Altman N

HUMAN GROWTH HORMONE RESPONSE TO
LEVODOPA. RELATION TO MENOPAUSE,
DEPRESSION, AND PLASMA DOPA CON-
CENTRATION. Sachar EJ, Altman N, Gruen
PH, Glassman A, Halpern FS, Sasson J *Arch Gen
Psychiatry* 32: 502-3, Apr 75 (Eng)

Alulu M

APPETITE AND INSULIN-METABOLITE HAR-
MONY IN PORTAL BLOOD OR SHEEP FED
HIGH OR LOW ROUGHAGE DIET WITH OR
WITHOUT INTRARUMINAL INFUSION OF
VFA. Bhattacharya AN, Alulu M *J Anim Sci* 41:
225-33, Jul 75 (Eng)

Alvarez H

[CLINICAL STUDY OF A NEW SYNTHETIC
STEROID IN THE TREATMENT OF
BRONCHIAL ASTHMA] Pacheco CR, Valdez-
Ochoa S, Naranjo F, Alvarez H, Aguilar M,
Saavedra M *Gac Med Mex* 104: 313-9, Oct 72
(Spa)

Amanuma H

TRANSPORT OF SUGARS AND AMINO ACIDS
IN BACTERIA. XII. SUBSTRATE SPECIFICI-
TIES OF THE BRANCHED CHAIN AMINO
ACID-BINDING PROTEINS OF
ESCHERICHIA COLI. Amanuma H, Anraku Y
J Biochem (Tokyo) 76: 1165-73, Dec 74 (Eng)
AMINO ACIDS (metabolism); ANIMAL
EXPERIMENTS; ANTIBODIES, BACTERIAL;
BACTERIAL PROTEINS (isolation &
purification, analysis, immunology);
BIOLOGICAL TRANSPORT, ACTIVE; CELL
FRACTIONATION; CROSS REACTIONS;
ESCHERICHIA COLI (analysis, metabolism);
ISOLEUCINE (metabolism); LEUCINE
(metabolism); OSMOSIS; PROTEIN BINDING;
RABBITS; THREONINE (metabolism); VALINE
(metabolism).

Amherdt M

SYMPOSIUM III: HORMONES AND HORMONE
RECEPTORS. A MORPHOLOGICAL AP-
PROACH TO SURFACE RECEPTORS IN
ISLET AND LIVER CELLS. Orci L, Rufenner C,
Malaisse-Lagae F, Blondel B, Amherdt M,
Bataille D, Freychet P, Perrelet A *Isr J Med Sci*
11: 639-55, Jul 75 (Eng)

Anderson MG

THE EFFECT OF EXERCISE ON BLOOD
METABOLITE LEVELS IN THE HORSE. An-
derson MG *Equine Vet J* 7: 27-33, Jan 75 (Eng)
ANIMAL EXPERIMENTS; BLOOD SUGAR
(analysis); EXERCISE; FATTY ACIDS,
NONESTERIFIED (blood); FEMALE;
GLYCERIN (blood); HORSES (blood);
HYDROGEN-ION CONCENTRATION;
LACTATES (blood); MALE; PYRUVATES
(blood).

Anderson TR

SYMPATHO-ADRENAL DEVELOPMENT IN
PERINATALLY ADDICTED RATS. Slotkin TA,
Anderson TR *Addict Dis* 2: 293-306, 1975 (Eng)

Andersson A

SYMPOSIUM II: FETOMATERNAL UNIT IN
DIABETES. CLINICAL AND EXPERIMENTAL
ASPECTS. FUNCTION OF THE FETAL
ENDOCRINE PANCREAS. Asplund K, An-
dersson A, Jarrousse C, Hellerstrom C *Isr J Med
Sci* 11: 581-90, Jun 75 (Eng) [50]

Ando T

ADMINISTRATION OF GLUCOSE-INSULIN-
POTASSIUM SOLUTION (GIK) AND VALVE
REPLACEMENT IN PATIENTS WITH AD-
VANCED VALVULAR DISEASE. Asano K,
Sakashita I, Ando T *J Cardiovasc Surg (Torino)*
SPEC NO: 370-3, 1975 (Eng)

Andreev D

[AN ACUTE DIABETIC SYNDROME INDUCED
IN RATS BY ANTI-INSULIN SERUM AS AN
EXPERIMENTAL MODEL FOR THE STUDY
OF SEVERAL ANTIDIABETIC AGENTS] An-
dreev D, Strashimirov D, Ditsov S, Dashev G
Exp Med Morfol 13: 95-101, 1974 (Bul)
ANIMAL; DIABETES MELLITUS (drug therapy,
therapy); DISEASE MODELS, ANIMAL;
ENGLISH ABSTRACT; GUINEA PIGS
(immunology); HYPOPHYSECTOMY; INSULIN
ANTIBODIES; MALE; RATS; TOLBUTAMIDE
(therapeutic use).

Andreas A

HYPERINSULINEMIA, INSULIN RESISTANCE AND CATABOLIC FORMATION IN SAND RATS. Gutman A, Andreas A, Adler JH *Isr J Med Sci* 11: 714-22, Jul 75 (Eng)

Andrews PM

A SCANNING AND STEREOGRAPHIC ULTRASTRUCTURAL ANALYSIS OF THE ISOLATED INNER MITOCHONDRIAL MEMBRANE DURING CHANGE IN METABOLIC ACTIVITY. Andrews PM, Hackenbrock CR *Exp Cell Res* 90: 127-36, Jan 75 (Eng)

ANIMAL EXPERIMENTS; CELL FRACTIONATION; ELECTRON TRANSPORT; MALE; MICROSCOPY, ELECTRON (methods); MICROSCOPY, ELECTRON, SCANNING; MITOCHONDRIA, LIVER (ultrastructure, metabolism, enzymology); MONOAMINE OXIDASE (metabolism); OXIDATIVE PHOSPHORYLATION; OXYGEN CONSUMPTION; RATS; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Ankermann H

THE CALORIGENIC ACTION OF NOREPINEPHRINE IN RATS AFTER HYPOPHYSECTOMY. Muller D, Kersten L, Ankermann H *Experientia* 31: 343-4, 15 Mar 75 (Eng)

Anraku Y

TRANSPORT OF SUGARS AND AMINO ACIDS IN BACTERIA. XII. SUBSTRATE SPECIFICITIES OF THE BRANCHED CHAIN AMINO ACID-BINDING PROTEINS OF ESCHERICHIA COLI. Amanuma H, Anraku Y *J Biochem (Tokyo)* 76: 1165-73, Dec 74 (Eng)

Antohi S

[POLYGENIC (MULTIFACTORIAL) HEREDITY AND INTERPRETATION OF THE GENETIC COMPONENT IN COMMON DISEASES] Moraru I, Antohi S, Imbroane L *Stud Cercet Med Intern* 14: 3-5, 1973 (Rum)

Antoniades HN

CONVERSION OF [125I]GROWTH HORMONE INTO HIGH MOLECULAR WEIGHT FORMS IN VIVO. Antoniades HN *Endocrinology* 96: 799-802, Mar 75 (Eng)

ANIMAL EXPERIMENTS; ANTIGEN-ANTIBODY REACTIONS; GEL FILTRATION; GUINEA PIGS (immunology); HUMAN; IODINE RADIOISOTOPES; MALE; MOLECULAR WEIGHT; PROTEIN DENATURATION; RATS; SODIUM DODECYL SULFATE; SOMATOTROPIN (metabolism, immunology).

Antonov VF

[COUPLED TRANSPORT OF H₂ AND CL MINUS IONS ACROSS ERYTHROCYTE MEMBRANES] Astashkin EI, Antonov VF *Fiziol Zh SSSR* 60: 1812-8, Dec 74 (Rus)

Antonova AI

[SOME INDICES OF CARBOHYDRATE METABOLISM IN THE TISSUES OF THE EYE UNDER THE INFLUENCE OF SILICON-CONTAINING DUST AND RADIANT HEAT IN EXPERIMENT] Gmyrnia AI, Antonova AI *Oftalmol Zh* 30: 26-8, 1975 (Rus)

Aomine M

STUDIES ON THE MECHANISM OF UPTAKE OF D-GLUCOSE BY TETRAHYMENA PYRIFORMIS GL. Aomine M *Comp Biochem Physiol* [A] 47: 1013-21, 1 Mar 74 (Eng)

ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT; ACTIVE; DINITROPHENOLS (pharmacodynamics); FRUCTOSE (pharmacodynamics); GLUCOSE (metabolism); KINETICS; LITHIUM (pharmacodynamics); PHLORHIZIN (pharmacodynamics); SODIUM (pharmacodynamics); TEMPERATURE;

TETRAHYMENA PYRIFORMIS (metabolism, drug effects); TIME FACTORS; TRÖMETHAMINE (pharmacodynamics).

Apple DJ

HISTOPATHOLOGY AFTER VITRECTOMY WITH THE VITROPHAGE. Weinberg RS, Peyman GA, Apple DJ *Albrecht von Graefes Arch Klin Ophthalmol* 196: 133-42, 6 Aug 75 (Eng)

Ardill J

GASTRIN LEVELS AFTER PROXIMAL GASTRIC VAGOTOMY. Hayes JR, Ardill J, Kennedy TL, Buchanan KD *Ir J Med Sci* 144: 349-54, Sep 75 (Eng)

Arnon R

CELLULAR IMMUNE RESPONSE TO PERIPHERAL NERVE BASIC PROTEIN IN IDIOPATHIC FACIAL PARALYSIS (BELLS Palsy). Abramsky O, Webb C, Teitelbaum D, Arnon R *J Neurol Sci* 26: 13-20, Sep 75 (Eng)

LIPID-SPECIFIC ANTIBODIES ELICITED WITH SYNTHETIC LIPID CONJUGATES. Arnon R, Teitelbaum D *Chem Phys Lipids* 13: 352-66, Dec 74 (Eng)

ANTIBODY FORMATION; ANTIBODY SPECIFICITY; ANTIGEN-ANTIBODY REACTIONS; CARRIER PROTEINS; CERAMIDES (immunology); CEREBROSIDES (immunology); ERYTHROCYTES (immunology); HAPTENS (chemical synthesis); LACTOSE; RABBITS (immunology); SPHINGOLIPIDS (immunology); SPHINGOMYELINS (immunology); SPHINGOSINE (immunology).

Arrigo F

[PRELIMINARY RESEARCH ON THE EFFECTS OF ADMINISTRATION OF COA ON PLASMATIC LIPIDS IN HUMANS] Arrigo F, Vitale D, Consolo F *Clin Ter* 71: 459-68, 15 Dec 74 (Ita)

ACETYL COENZYME A (therapeutic use); AGED; CHOLESTEROL (blood); COENZYME A (analogs & derivatives); FEMALE; HUMAN; HYPERCHOLESTEREMIA (drug therapy); HYPERLIPIDEMIA (drug therapy); LIPIDS (blood); MALE; MIDDLE AGE; TRIGLYCERIDES (blood).

Arroyave G

EFFECT OF EXERCISE AND PHYSICAL FITNESS ON SERUM LIPIDS AND LIPOPROTEINS. Lopez A, Vial R, Balart L, Arroyave G *Atherosclerosis* 20: 1-9, Jul-Aug 74 (Eng)

Asano K

ADMINISTRATION OF GLUCOSE-INSULIN-POTASSIUM SOLUTION (GIK) AND VALVE REPLACEMENT IN PATIENTS WITH ADVANCED VALVULAR DISEASE. Asano K, Sakashita I, Ando T *J Cardiovasc Surg (Torino)* SPEC NO: 370-3, 1975 (Eng)

ADOLESCENCE; ALKALOSIS (prevention & control, complications); ARRHYTHMIA (prevention & control, etiology); DRUG COMBINATIONS; FEMALE; GLUCOSE (administration & dosage); HEART FAILURE, CONGESTIVE (complications); HEART VALVE DISEASES (complications); HEART VALVE PROSTHESIS; HUMAN; HYPOKALEMIA (prevention & control, complications, drug therapy); INFUSIONS, PARENTERAL; INJECTIONS, SUBCUTANEOUS; INSULIN (administration & dosage); POSTOPERATIVE CARE (methods); POTASSIUM CHLORIDE (administration & dosage); PREOPERATIVE CARE (methods).

Asaoka K

[PROCEEDINGS: RESPONSES OF PLASMA ACTH, GH, LH, FSH, TSH AND PROLACTIN IN CUSHINGS SYNDROME] Hashimoto K, Asaoka K, Mori M, Yokoyama M, Miyoshi M *Folia Endocrinol Jpn* 50: 537, 20 Feb 74 (Jpn)

Aschoff JC

[THE DIAGNOSTIC VALUE OF THE F WAVE LATENCY (AUTHORS TRANSL.)] Conrad B, Aschoff JC, Fischler M *J Neurol* 210: 151-9, 22 Sep 75 (Ger)

Ashbrook JD

LONG CHAIN FATTY ACID BINDING TO HUMAN PLASMA ALBUMIN. Ashbrook JD, Spector AA, Santos EC, Fletcher JE *J Biol Chem* 250: 2333-8, 25 Mar 75 (Eng)

FATTY ACIDS; HUMAN; HYDROGEN-ION CONCENTRATION; KINETICS; LINOLEIC ACIDS; OLEIC ACIDS; PALMITIC ACIDS; PROTEIN BINDING; SERUM ALBUMIN; STEARIC ACIDS; STRUCTURE-ACTIVITY RELATIONSHIP; THERMODYNAMICS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Ashmore J

PERFUSED FAT CELLS. Allen DO, Largis EE, Katocs AS Jr, Ashmore J *Methods Enzymol* 35: 607-12, 1975 (Eng)

Ashton N

PERIVASCULAR AND INTERVASCULAR RETICULAR FIBERS OF THE RETINA. Ashton N, Tripathi R *Am J Ophthalmol* 80: 337-50, Sep 75 (Eng)

AGE FACTORS; AGED; ANIMAL; BASEMENT MEMBRANE (ultrastructure); CAPILLARIES (ultrastructure); CLOSTRIDIOPEPTIDASE A (metabolism); COMPARATIVE STUDY; CONNECTIVE TISSUE (ultrastructure, analysis); DIABETIC RETINOPATHY (pathology); HUMAN; NEUROGLIA (ultrastructure); PEPSIN (metabolism); RETICULIN (analysis); RETINAL VESSELS (ultrastructure, enzymology, pathology); SILVER; STAINS AND STAINING; TRYPSIN (metabolism).

Asplund K

DECREASED CYCLIC AMP AND INSULIN RESPONSE TO GLUCOSE IN ISOLATED ISLETS OF NEONATAL RATS. Grill V, Asplund K, Hellerstrom C, Cerasi E *Diabetes* 24: 746-52, Aug 75 (Eng)

PROTEIN SYNTHESIS AND AMINO ACID ACCUMULATION DURING DEVELOPMENT IN THE RAT: DISSOCIATION OF DIAPHRAGM AND HEART MUSCLE SENSITIVITY TO INSULIN. Asplund K *Horm Res* 6: 12-9, 1975 (Eng)

AGING; AMINO ACID ACTIVATION (drug effects); ANIMAL; ANIMALS, NEWBORN; DIAPHRAGM (metabolism, drug effects, growth & development); FEMALE; FETUS; HEART (drug effects, growth & development); INSULIN (pharmacodynamics); LEUCINE (metabolism); MUSCLE PROTEINS (biosynthesis); MYOCARDIUM (metabolism); PREGNANCY; RATS; TRANSLATION, GENETIC (drug effects).

SYMPOSIUM II: FETOMATERNAL UNIT IN DIABETES. CLINICAL AND EXPERIMENTAL ASPECTS. FUNCTION OF THE FETAL ENDOCRINE PANCREAS. Asplund K, Andersson A, Jarrousse C, Hellerstrom C *Isr J Med Sci* 11: 581-90, Jun 75 (Eng) [50]

ANIMAL; ANIMALS, NEWBORN; CELL DIFFERENTIATION; FETUS; GESTATIONAL AGE; GLUCAGON (secretion); GLUCOSE (physiology, pharmacodynamics); HUMAN; IN VITRO; INSULIN (secretion); ISLANDS OF LANGERHANS (embryology, physiology, drug effects); MALE; MATERNAL-FETAL EXCHANGE; PREGNANCY; RATS; REVIEW.

Assal JPh

PLASMA LIPID LEVELS IN DIABETIC CHILDREN. EFFECT OF DIET RESTRICTED IN CHOLESTEROL AND SATURATED FATS. Kaufmann RL, Assal JPh, Soeldner JS,

Diabetes Literature—Author Index

Assamoi MO

Wilmshurst EG, Lemaire JR, Gleason RE, White P *Diabetes* 24: 672-9, Jul 75 (Eng)

Assamoi MO

[CORONAROPATHIES IN THE BLACK AFRICAN. CLINICAL, ETIOLOGICAL AND CURRENT EPIDEMIOLOGICAL ASPECTS (APPROPOS OF 45 CASES)] Bertrand E, Baudin L, Chauvet J, Assamoi MO, Beda B, Renambot J, Thomas JY, Le Bras M *Arch Mal Coeur* 67: 1447-55, Dec 74 (Fre)

Assan R

PHENFORMIN-INDUCED LACTIC ACIDOSIS IN DIABETIC PATIENTS. Assan R, Heuclin C, Girard JR, LeMaire F, Attali JR *Diabetes* 24: 791-800, Sep 75 (Eng)

ACIDOSIS, DIABETIC (chemically induced, metabolism, therapy); ADULT; AGED; BICARBONATES (blood); BLOOD SUGAR (metabolism); CARBON DIOXIDE (blood); DIABETES MELLITUS (drug therapy); FEMALE; FUROSEMIDE (therapeutic use); HUMAN; KETONE BODIES (blood); KIDNEY FAILURE. CHRONIC (drug therapy); LACTATES (metabolism); LIVER DISEASES (drug therapy); MALE; MIDDLE AGE; PERITONEAL DIALYSIS; PHENFORMIN (adverse effects, therapeutic use); PYRUVATES (blood).

Assies J

ORIGINAL ARTICLES. Assies J, Schellekens AP, Toubert JL *Neth J Med* 17: 163-73, 1974 (Eng)
ADENOMA, CHROMOPHORE (metabolism); ADOLESCENCE, ADULT; AGED; COMPARATIVE STUDY; FEMALE; HUMAN; HYPOGLYCEMIA (metabolism); LEVODOPA (pharmacodynamics); MALE; MIDDLE AGE; PITUITARY NEOPLASMS (metabolism); PREGNANCY, PROLACTIN (secretion, blood); RADIOIMMUNOASSAY; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.; 2-BROMOERGOCRYPTINE (therapeutic use).

Assimakopoulou-Jeanette F

METABOLIC ANOMALIES OF THE OBESE-HYPERGLYCEMIC (OB/OB) MICE OF BAR HARBOR. Jeanrenaud B, Assimakopoulou-Jeanette F, Loten EG, Karakash C, Le Marchand Y *Isr J Med Sci* 11: 723-9, Jul 75 (Eng)

Astashkin EI

[COUPLED TRANSPORT OF H⁺, K⁺ AND CL⁻ MINUS IONS ACROSS ERYTHROCYTE MEMBRANES] Astashkin EI, Antonov VF *Fiziol Zh SSSR* 60: 1813-8, Dec 74 (Rus)
ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT (drug effects); CATIONS, MONOVALENT; CELL MEMBRANE PERMEABILITY; CELL MEMBRANE (metabolism); CHLORIDES (pharmacodynamics); CHLORINE (metabolism); CHOLINE (pharmacodynamics); ELECTRON TRANSPORT (drug effects); ENGLISH ABSTRACT; ERYTHROCYTES (metabolism); HUMAN; HYDRAZONES (pharmacodynamics); HYDROGEN (metabolism); HYDROGEN-ION CONCENTRATION; IN VITRO; NITRILES (pharmacodynamics); POTASSIUM (metabolism); RATS; SPECTROMETRY, FLUORESCENCE; SPECTROPHOTOMETRY; SPECTRUM ANALYSIS; TEMPERATURE; UNCOUPLING AGENTS (pharmacodynamics); VALINOMYCIN (pharmacodynamics).

Atkinson PH

SYNTHESIS AND ASSEMBLY OF HELA CELL PLASMA MEMBRANE GLYCOPROTEINS AND PROTEINS. Atkinson PH *J Biol Chem* 250: 2123-34, 25 Mar 75 (Eng)
AMINO ACIDS (metabolism); CELL MEMBRANE (metabolism); CYCLOHEXIMIDE (pharmacodynamics); FUCOSE (metabolism); GLYCOPROTEINS (biosynthesis); GLYCOSIDE

HYDROLASES; HELA CELLS (metabolism); NEOPLASM PROTEINS (biosynthesis); PEPTIDES (biosynthesis); SUBCELLULAR FRACTIONS (metabolism); TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Attali JR

PHENFORMIN-INDUCED LACTIC ACIDOSIS IN DIABETIC PATIENTS. Assan R, Heuclin C, Girard JR, LeMaire F, Attali JR *Diabetes* 24: 791-800, Sep 75 (Eng)

Audet J

EFFECTS OF SOMATOSTATIN AND HYPOTHALAMIC VENTROMEDIAL LESIONS ON GH RELEASE INDUCED BY MORPHINE. Martin JB, Audet J, Saunders A *Endocrinology* 96: 839-47, Apr 75 (Eng)

Audhya TK

ENHANCEMENT OF SOMATOMEDIN TITERS OF NORMAL AND HYPOPHYSECTOMIZED BY ADDITION OF L-TRIODOTHYRONINE IN VITRO AT PHYSIOLOGICAL CONCENTRATIONS. Audhya TK, Gibson KD *Proc Natl Acad Sci USA* 72: 604-8, Feb 75 (Eng)

ANIMAL EXPERIMENTS; BIOLOGICAL ASSAY; CARTILAGE (metabolism); CHICK EMBRYO; HYPOPHYSECTOMY; HYPOPHYSECTOMY (blood); MUCOPOLYSACCHARIDES (metabolism); RATS; SOMATOMEDIN (metabolism); SULFATES (metabolism); THYROXINE (pharmacodynamics); TRIIODOTHYRONINE (pharmacodynamics).

Auzerie J

[RENAL VEIN THROMBOSIS IN THE NEW-BORN INFANT. Demarquez JL, Tavernier J, Babin JP, de Cacqueray C, Auzerie J, Allain D, Martin C *Arch Fr Pediatr* 32: 381-92, Apr 75 (Fre)

Aveland MI

FREE FATTY ACIDS, DIACYL- AND TRIACYL-GLYCEROLS AND TOTAL PHOSPHOLIPIDS IN VERTEBRATE RETINA: COMPARISON WITH BRAIN, CHOROID AND PLASMA. Aveland MI, Bazan NG *J Neurochem* 23: 1127-35, Dec 74 (Eng)

ANIMAL EXPERIMENTS; BRAIN CHEMISTRY; BUFO ARENARUM; CATTLE; CHOROID (analysis); CHROMATOGRAPHY, GAS; CHROMATOGRAPHY, THIN LAYER; COMPARATIVE STUDY; DIGLYCERIDES (analysis, blood); FATTY ACIDS, NONESTERIFIED (analysis, blood); FATTY ACIDS, UNSATURATED (analysis); GLYCERIDES (analysis); ORGAN SPECIFICITY; PHOSPHOLIPIDS (analysis, blood); RABBITS; RETINA (analysis); SPECIES SPECIFICITY; TRIGLYCERIDES (analysis, blood).

Avruch J

PHOSPHORYLATION OF ENDOGENOUS SUBSTRATES BY ERYTHROCYTE MEMBRANE PROTEIN KINASES. I. A MONOVALENT CATION-STIMULATED REACTION. Avruch J, Fairbanks G *Biochemistry* 13: 5507-14, 31 Dec 74 (Eng)

ADENOSINE TRIPHOSPHATE (metabolism); AMMONIUM COMPOUNDS (pharmacodynamics); CATIONS, MONOVALENT; CELL MEMBRANE (enzymology); ERYTHROCYTES (enzymology); HUMAN; LITHIUM (pharmacodynamics); NUCLEOTIDES (pharmacodynamics); PEPTIDES (metabolism); PHOSPHOPEPTIDES (metabolism); POTASSIUM (pharmacodynamics); PROTEIN KINASE (metabolism, antagonists & inhibitors); SODIUM (pharmacodynamics).

Ayalon D

UNDER-RESPONSIVENESS OF GROWTH HORMONE SECRETION AFTER L-DOPA AND DEEP SLEEP STIMULATION IN OBESE SUBJECTS. Laurian L, Oberman Z, Ayalon D, Cordova T, Herzberg M, Horer E, Harel A *Isr J Med Sci* 11: 482-7, May 75 (Eng)

Azzar GJ

[TRANSFER OF GLUCOSE FROM UDP-GLUCOSE IN MICROSOMAL MEMBRANES OF RAT HEPATOCYTES (AUTHORS TRANSL.)] Berthillier G, Azzar GJ, Got R *Eur J Biochem* 51: 275-82, 3 Feb 75 (Fre)

Baba Y

[PROCEEDINGS: STUDY OF GIF (GROWTH HORMONE INHIBITING FACTOR). (II). EFFECT OF GIF ON PLASMA GH AND PROLACTIN LEVELS OF RATS TREATED WITH NEMBUTOL AND CHLORPROMAZINE] Sawano S, Kokubu T, Ishizuka Y, Baba Y *Folia Endocrinol Jpn* 50: 269, 20 Feb 74 (Jpn)

[PROCEEDINGS: GIF (GROWTH HORMONE INHIBITING FACTOR). (I). BIOLOGICAL ACTIVITIES OF CYCLIZED AND LINEAR GIF IN VITRO] Sawano S, Baba Y *Folia Endocrinol Jpn* 50: 268, 20 Feb 74 (Jpn)

Babin JP

[RENAL VEIN THROMBOSIS IN THE NEW-BORN INFANT. Demarquez JL, Tavernier J, Babin JP, de Cacqueray C, Auzerie J, Allain D, Martin C *Arch Fr Pediatr* 32: 381-92, Apr 75 (Fre)

Bach D

INTERACTION OF BASIC POLYPEPTIDES WITH PHOSPHOLIPID MONOLAYERS. Miller IR, Bach D *Chem Phys Lipids* 13: 453-65, Dec 74 (Eng)

Bachand L

ERYTHROCYTE METABOLISM IN THE YELLOW PERCH (*PERCA FLAVESCENS MITCHELL*). I. GLYCOLYTIC ENZYMES. Bachand L, Leray C *Comp Biochem Physiol [B]* 50: 567-70, 15 Apr 75 (Eng)

ANIMAL EXPERIMENTS; ERYTHROCYTES (enzymology, drug effects); FISHES (metabolism); GLUCOSE (pharmacodynamics); GLYCOLYSIS; HEXOKINASE (metabolism); PENTOSEPHOSPHATES (metabolism).

Back N

HISTOCHEMICAL OBSERVATIONS ON UPTAKE OF L-DOPA INTO ENDOCRINE CELLS OF THE RAT PITUITARY GLAND DURING THE POSTNATAL DEVELOPMENT. Partanen S, Rechardt L, Back N *Cell Tissue Res* 156: 451-61, 1975 (Eng)

Baden H

THE ENTERAL INSULIN-STIMULATION AFTER WHIPPLES OPERATION. Rehfeld JF, Stadil F, Baden H, Fischerman K *Diabetologia* 11: 207-10, Jun 75 (Eng)

Badrain IG

BIOCHEMICAL CHANGES IN LYMPH INDUCED BY HAEMORRHAGIC SHOCK IN DOGS. Badrain IG, Adel-Kader MM, Ismail AA, Iskander F, Said MI, Barsoum MS *J Egypt Med Assoc* 57: 72-9, 1974 (Eng)
ANIMAL EXPERIMENTS; BLOOD SUGAR (analysis); DOGS; GLUCOSE (analysis); LYMPH (analysis); POTASSIUM (blood); SHOCK; HAEMORRHAGIC (metabolism); SODIUM (blood).

Badyda C

STUDIES ON THE ADRENERGIC GLYCOGENOLYTIC RECEPTOR IN MAN. Szczawinska K, Szczawinski R, Badyda C, Cenajek D *Acta Physiol Pol* 25: 43-7, Jan-Feb 74 (Eng)

Baillargeon J

AN UNUSUAL BETA-CELL ADENOMA. Dewilde J, Baillargeon J, Daloz P, Rasio E *Can Med Assoc J* 113: 413-6, 6 Sep 75 (Eng)

Baker DH

METHIONINE TOXICITY IN THE CHICK: NUTRITIONAL AND METABOLIC IMPLICATIONS. Katz RS, Baker DH *J Nutr* 105: 1168-75, Sep 75 (Eng)

Baker R

PROCEEDINGS: A NEW SYSTEM FOR STUDYING RETINAL METABOLISM IN SITU. Tsacopoulos M, Baker R, Levy S *Exp Eye Res* 20: 184, Feb 75 (Eng)

Baker RI

EFFECT OF DIBUTYRYL CYCLIC AMP ON THE RELEASE OF MELANOCYTE-STIMULATING HORMONE FROM RAT NEUROINTERMEDIATE LOBES IN VITRO. Baker RI *J Endocrinol* 63: 533-8, Dec 74 (Eng)

ANIMAL EXPERIMENTS; DIBUTYRYL CYCLIC AMP (pharmacodynamics); DRUG SYNERGISM; ELECTROPHORESIS, POLYACRYLAMIDE GEL; IN VITRO; MALE; MSH (metabolism, secretion); PITUITARY GLAND (secretion, drug effects); RATS; THEOPHYLLINE (pharmacodynamics).

Bakradze GA

[CHORIONIC GONADOTROPIC HORMONE (A REVIEW OF THE LITERATURE)] Maisaia GI, Bakradze GA *Akush Ginekolog (Mosk)* 49: 27-30, Apr 73 (Rus)

Balant L

[A CLINICAL STUDY OF A NEW SULFONYLUREA HYPOGLYCEMIC AGENT: GLIPIZIDE (GLIBENESE)(AUTHORS TRANSL)] Cochet B, Balant L, Rilliet B, Zahnd G *Praxis* 64: 562-8, 6 May 75 (Fre)

Balant L

EFFECT OF EXERCISE AND PHYSICAL FITNESS ON SERUM LIPIDS AND LIPOPROTEINS. Lopez A, Vial R, Balant L, Arroyave G *Atherosclerosis* 20: 1-9, Jul-Aug 74 (Eng)

Balashova TA

THE ENNIATIN IONOPHORES. CONFORMATION AND ION BINDING PROPERTIES. Ovchinnikov YA, Ivanov VT, Evstratov AV, Mikhaleva II, Bystrov VF, Portnova SL, Balashova TA, Meshcheryakova EN, Tulchinsky VM *Int J Pept Protein Res* 6: 465-98, 1974 (Eng)

Balasse EO

LETTER: SMALL INTRAVENOUS INSULIN BOLUSES IN THE TREATMENT OF DIABETIC COMA. Clumek N, Detroyer A, Naeije R, Ectors M, Balasse EO *Lancet* 2: 416, 30 Aug 75 (Eng)

Ballowitz L

GROWTH HORMONE AND CORTISOL IN NEONATES DURING PHOTOTHERAPY. von Muhlendahl KE, Ballowitz L *Z Kinderheilkd* 119: 53-8, 1975 (Eng)

Balogh K

COMPARATIVE STUDY OF LIPOLYTIC ACTIVITIES OF RABBIT AND RAT AORTAS AND ARTERIES OF HUMAN UMBILICAL CORD. Stefanovich V, Balogh K *Comp Biochem Physiol [B]* 50: 159-63, 15 Jan 75 (Eng)

Balsam A

EFFECT OF PHYSICAL TRAINING ON THE METABOLISM OF THYROID HORMONES IN MAN. Balsam A, Leppo LE *J Appl Physiol* 38: 212-5, Feb 75 (Eng)

ADOLESCENCE; ADULT; BLOOD PROTEINS; FECEs (analysis); HUMAN; MALE; PHYSICAL FITNESS; PROTEIN BINDING; THYROXINE (metabolism, blood, urine); TRIIODOTHYRONINE (metabolism, blood, urine).

Barath P

NEW ASPECTS OF THE ROLE OF SEROTONIN IN THE INSULIN RELEASE MECHANISM. Barath P *Acta Diabetol Lat* 11: 315-29, Jul-Aug 74 (Eng)

ANIMAL; AUTORADIOGRAPHY; DEPRESSION, CHEMICAL; INSULIN (secretion); ISLANDS OF LANGERHANS (secretion, drug effects, ultrastructure); MALE; MICE; SEROTONIN (physiology); TOLBUTAMIDE (pharmacodynamics).

Barbey S

[HISTOCYTOSIS-X. HISTOCHEMICAL AND AUTORADIOGRAPHIC ELEMENTS PROVING LIPID SYNTHESIS IN IN VITRO CULTURE] Nezelof C, Despres S, Barbey S, Rousseau MF *Biomedicine* 20: 414-24, Nov 74 (Fre)

Barboriak JJ

THE EFFECT OF HYPOGLYCEMIA ON HYPOTHALAMIC THYROTROPIN-RELEASING HORMONE (HRH) IN THE RAT. Leung Y, Guansing AR, Ajlouni K, Hagen TC, Rosenfeld PS, Barboriak JJ *Endocrinology* 97: 380-4, Aug 75 (Eng)

Barbosa J

NEUROPATHY, RETINOPATHY AND BIOPSY FINDINGS IN TRANSPLANTED KIDNEY IN DIABETIC PATIENTS. Barbosa J, Burke B, Buselmeier TJ, Carpenter AM, Goetz FC, Harris J, Kennedy WR, Kjellstrand CM, Michael AF, Najarian JS, Recker L *Kidney Int [Suppl]* 32-6, Oct 74 (Eng)

BIOPSY; DIABETIC NEPHROPATHIES (surgery, pathology, physiopathology); DIABETIC NEUROPATHIES (pathology); DIABETIC RETINOPATHY (pathology); HUMAN; KIDNEY (transplantation, pathology); LIGHT COAGULATION; MEDIAN NERVE (physiopathology); MOTOR NEURONS (physiopathology); NEURAL CONDUCTION; PERONEAL NERVE (physiopathology); TRANSPLANTATION, HOMOLOGOUS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; VISUAL ACUITY.

Bargman GJ

INSULIN—THE SIPHON REGULATOR. Bargman GJ *Wis Med J* 74: 93-4, Aug 75 (Eng)

DIABETES MELLITUS (drug therapy); HUMAN; INSULIN (classification, administration & dosage, therapeutic use).

Barker CF

TRANSPLANTATION OF THE ISLETS OF LANGERHANS AND THE HISTOCOMPATIBILITY OF ENDOCRINE TISSUE. Barker CF *Diabetes* 24: 766-75, Aug 75 (Eng)

ANIMAL; ANTIGENS (classification); CHILD; DIABETES MELLITUS (immunology, therapy); HISTOCOMPATIBILITY ANTIGENS; HISTOCOMPATIBILITY; HUMAN; ISLANDS OF LANGERHANS (transplantation, immunology, embryology); ORGAN CULTURE; PANCREAS (transplantation, immunology); PREGNANCY; TRANSPLANTATION, ALLOGENEIC; TRANSPLANTATION, HOMOLOGOUS.

Barkhan P

STUDIES ON THE ABSORPTION AND METABOLISM OF PHYLOQUINONE (VITAMIN K1) IN MAN. Shearer MJ, McBurney A, Barkhan P *Vitam Horm* 32: 513-42, 1974 (Eng) [34]

Barna K

PHYSIOLOGICAL EFFECT OF ORALLY ADMINISTERED ENDOTOXIN TO MAN. Emody L, Ralovich B, Barna K, Brasch G, Ternak G *J Hyg Epidemiol Microbiol Immunol (Praha)* 18: 454-8, 1974 (Eng)

Barriere H

[ACQUIRED ULCERO-MUTILATING ACROPATHIES IN ADULTS. CRITICAL STUDY OF 150 PERSONAL CASES] Barriere H, Litoux P, Bureau B, Guiheneuc P, Welin J *Sem Hop Paris* 51: 595-9, 20 Feb 75 (Fre)

ADULT; ALCOHOLISM (complications); BLOOD CIRCULATION TIME; CHRONIC DISEASE; DEMYELINATION; DIABETES MELLITUS (complications); ENGLISH ABSTRACT; FEMALE; FOOT DEFORMITIES, ACQUIRED; FOOT DISEASES (etiology, therapy); FOOT (injuries); HUMAN; MALE; NEURAL CONDUCTION; OSTEOLYSIS; OSTEOPOROSIS; ULCER (etiology, therapy).

Barsoum MS

BIOCHEMICAL CHANGES IN LYMPH INDUCED BY HAEMORRHAGIC SHOCK IN DOGS. Badrain IG, Adel-Kader MM, Ismail AA, Iskander F, Said MI, Barsoum MS *J Egypt Med Assoc* 57: 72-9, 1974 (Eng)

Bartak V

[THE SPERMIOGRAMS OF DIABETIC AND NONDIABETIC PATIENTS WITH DISTURBANCES OF POTENCY (AUTHORS TRANSL)] Bartak V, Josifko M *Cas Lek Cesk* 114: 724-5, 13 Jun 75 (Cze)

ADOLESCENCE; ADULT; AGE FACTORS; DIABETES MELLITUS (physiopathology); ENGLISH ABSTRACT; HUMAN; IMPOTENCE (physiopathology); MALE; SPERM MOTILITY; SPERMATOGENESIS.

Bartels H

[SIGNIFICANCE OF THE DIFFERENTIATION OF HYPOGLYCEMIA IN CHILDHOOD (AUTHORS TRANSL)] Kruse K, Bartels H *Klin Paediatr* 187: 308-13, Jul 75 (Ger)

Barthelemy C

[THE FUNCTIONAL CYTOCHEMISTRY OF AMINE PRECURSOR UPTAKE AND DECARBOXYLATION (APUD) CELLS AND ITS USES IN PATHOLOGY] Berger G, Barthelemy C, Tabib A *Ann Anat Pathol (Paris)* 19: 371-98, Oct-Dec 74 (Fre)

Bassa T

THIOSULFATION ALDEHYDE FUCHSIN (TAF) PROCEDURE FOR THE STAINING OF PANCREATIC B CELLS. Bussolati G, Bassa T *Stain Technol* 49: 313-5, Sep 74 (Eng)

Bastien H

[INFLUENCE OF ADDITION OF THE FREE FATTY ACIDS TO THE PERFUSATE ON THE FUNCTION OF ISOLATED RAT HEART] Didier JP, Klepping J, Boucrot P, Moreau D, Noiret P, Bastien H *C R Soc Biol (Paris)* 168: 504-9, 1974 (Fre)

Bataille D

SYMPOSIUM III: HORMONES AND HORMONE RECEPTORS. A MORPHOLOGICAL APPROACH TO SURFACE RECEPTORS IN ISLET AND LIVER CELLS. Orci L, Rufenen C, Malaisse-Lagae F, Blondel B, Amherdt M, Bataille D, Freychet P, Perrelet A *Isr J Med Sci* 11: 639-55, Jul 75 (Eng)

INTERACTIONS OF GLUCAGON, GUT GLUCAGON, VASOACTIVE INTESTINAL POLYPEPTIDE AND SECRETIN WITH THEIR MEMBRANE RECEPTORS. Bataille D, Rosselin G, Freychet P *Isr J Med Sci* 11: 687-92, Jul 75 (Eng)

Diabetes Literature—Author Index

Bataille JP

ADENYL CYCLASE (metabolism); ADIPOSE TISSUE (metabolism); ANIMAL; BINDING, COMPETITIVE; CELL MEMBRANE (metabolism); ENZYME ACTIVATION; GASTROINTESTINAL HORMONES (metabolism); GLUCAGON (metabolism); LIVER (metabolism); RECEPTORS, HORMONE; SECRETIN (metabolism); SWINE.

Bataille JP

[HAEMOCHOLECYST INDUCED BY GAN-
GRENOUS CHOLECYSTITIS IN A DIABETIC
(AUTHORS TRANSL.) Rouby J, Mahieu F,
Staquet JP, Bataille JP, Lederer J *Acta Gastroen-
terol Belg* 38: 237-41, May-Jun 75 (Fre)

Bates DJ

THE STRUCTURE OF A YEAST HEXOKINASE
MONOMER AND ITS COMPLEXES WITH
SUBSTRATES AT 2.7-Å RESOLUTION. Flet-
terich RJ, Bates DJ, Steitz TA *Proc Natl Acad Sci
USA* 72: 38-42, Jan 75 (Eng)

Battaglia FC

PLACENTAL PRODUCTION AND FOETAL
UTILISATION OF LACTATE AND PYRU-
VATE. Burd LI, Jones MD Jr, Simmons MA,
Makowski EL, Meschia G, Battaglia FC *Nature*
254: 710-1, 24 Apr 75 (Eng)

Battese GE

LONGITUDINAL STUDY OF AGE AND
COHORT INFLUENCES ON DIETARY PAT-
TERNS. Garcia PA, Battese GE, Brewer WD *J
Gerontol* 30: 349-56, May 75 (Eng)

Baudin L

[CORONAROPATHIES IN THE BLACK
AFRICAN. CLINICAL, ETIOLOGICAL AND
CURRENT EPIDEMIOLOGICAL ASPECTS
(APPROX OF 45 CASES)] Bertrand E, Baudin
L, Chauvet J, Assamoi MO, Beda B, Renambot J,
Thomas JY, Le Bras M *Arch Mal Coeur* 67:
1447-55, Dec 74 (Fre)

Bauer J

REMARKS ON MICROANGIOPATHIA
DIABETICA. Bauer J *Panminerva Med* 14: 83,
Mar 72 (Eng)
CARBOHYDRATES (metabolism); DIABETIC
ANGIOPATHIES (diagnosis, metabolism);
HUMAN.

Baughman WL

THE EFFECT OF FETAL HYPOPHYSECTOMY
ON PLACENTAL BIOSYNTHESIS OF
PROGESTERONE IN RHESUS. Hageman FC,
Baughman WL, Kittinger GW *Endocrinology* 96:
1059-62, Apr 75 (Eng)

Baum SG

REGULATION OF IN VITRO INSULIN
RELEASE FROM A TRANSPLANTABLE
SYRIAN HAMSTER INSULINOMA. Shapiro S,
Eto S, Fleischer N, Baum SG *Endocrinology* 97:
442-7, Aug 75 (Eng)

Baumann K

[STRESS SENSITIVITY AND ADAPTATION]
Baumann K *Z Gesamte Inn Med* 30: suppl107-30
concl, 15 Apr 75 (Ger)
ADAPTATION, PHYSIOLOGICAL; ANIMAL;
BLOOD PRESSURE; BLOOD SUGAR; BRAIN
(physiology); DESENSITIZATION; EVOKED
POTENTIALS; FATTY ACIDS,
NONESTERIFIED (metabolism); GALVANIC
SKIN RESPONSE (physiology); HUMAN;
HYPERTENSION (physiology); ISLANDS
OF LANGERHANS (physiology); LEARNING;
MENTAL PROCESSES; METABOLISM;
NOREPINEPHRINE (metabolism);
PSYCHOPHYSIOLOGIC DISORDERS
(physiology); PULSE; RENIN (metabolism);
STRESS, PSYCHOLOGICAL (physiology).

Baumeister G

[APPARENT INSULIN INCOMPATIBILITY IN A
CASE OF ARTHUS PHENOMENON CAUSED
BY SURFEN] Forck G, Wilhelm E, Baumeister
G, Westerloh K *Med Welt* 26: 664-9, 4 Apr 75
(Ger)

Baur S

COMPARISON OF 125-I-INSULIN BINDING
AND DEGRADATION TO ISOLATED RAT
HEPATOCYTES AND LIVER MEMBRANES.
Olefsky J, Johnson J, Liu F, Edwards P, Baur S
Diabetes 24: 801-10, Sep 75 (Eng)

Bazan NG

FREE FATTY ACIDS, DIACYL- AND TRIACYL-
GLYCEROLS AND TOTAL PHOSPHOLIPIDS
IN VERTEBRATE RETINA: COMPARISON
WITH BRAIN, CHOROID AND PLASMA.
Aveldano MI, Bazan NG *J Neurochem* 23: 1127-
35, Dec 74 (Eng)

Bazarian GG

[ISOLATION OF LIPOPROTEIN LIPASE FROM
POSTHEPARIN RAT PLASMA AND DEMON-
STRATION OF ITS BIOLOGICAL ACTIVITY]
Bazarian GG, Levchuk TP, Malakhova EA,
Smirnova VK, Sytina NP, Iakovlev VA *Vopr Med
Khim* 20: 14-9, Jan-Feb 74 (Rus)

ANIMAL EXPERIMENTS;
ARTERIOSCLEROSIS (drug therapy);
ATHEROSCLEROSIS (drug therapy, blood,
physiopathology, complications, enzymology);
BLOOD COAGULATION; CHOLESTEROL
(blood); DRUG COMBINATIONS; ENGLISH
ABSTRACT; FEMALE; FIBRINOGEN (analysis);
FIBRINOLYSIS; HEPARIN (therapeutic use,
administration & dosage); LIPOPROTEIN
LIPASE (therapeutic use, isolation & purification,
pharmacodynamics, administration & dosage);
LIPOPROTEINS, LDL (blood); MALE;
METHODS; PHOSPHOLIPIDS (blood); RATS;
THROMBOSIS (prevention & control);
TRIGLYCERIDES (blood).

Beard RW

CARBOHYDRATE METABOLISM IN
PREGNANCY. PART I. DIURNAL PLASMA
GLUCOSE PROFILE IN NORMAL AND
DIABETIC WOMEN. Gillmer MD, Beard RW,
Brooke FM, Oakley NW *Br Med J* 3: 399-402, 16
Aug 75 (Eng)

METABOLIC PROFILES IN PREGNANCY.
Gillmer MD, Oakley NW, Brooke FM, Beard
RW *Isr J Med Sci* 11: 601-8, Jun 75 (Eng)

Beccaria A

[PANCREATIC CYSTS] Varola F, Beccaria A,
Oliaro A, Sasso D, Villata E, Cirillo R *Minerva
Chir* 30: 83-125, 15 Feb 75 (Ita)

Becker N

ALTERED HYPOTHALAMIC-PITUITARY-
ADRENAL RESPONSIVENESS TO DEX-
AMETHASONE-INSULIN TOLERANCE TEST
IN ACTIVE ACROMEGALY. Hofeldt FD,
Levin SR, Von Werder K, Becker N, Schneider
V, Hane S, Seymour R, Adams JE, Forsham PH *J
Clin Endocrinol Metab* 41: 399-401, Aug 75
(Eng)

Beda B

[CORONAROPATHIES IN THE BLACK
AFRICAN. CLINICAL, ETIOLOGICAL AND
CURRENT EPIDEMIOLOGICAL ASPECTS
(APPROX OF 45 CASES)] Bertrand E, Baudin
L, Chauvet J, Assamoi MO, Beda B, Renambot J,
Thomas JY, Le Bras M *Arch Mal Coeur* 67:
1447-55, Dec 74 (Fre)

Belak M

ULTRASTRUCTURE OF THE MOUSE PAN-
CREAS AFTER AUROTHIOGLUCOSE AD-
MINISTRATION. Simkova D, Belak M, Boda K,
Kosta K, Dianovska M *Acta Biol Acad Sci Hung*
25: 205-12, 1974 (Eng)

Belanger A

INHIBITION OF GROWTH HORMONE AND
THYROTROPIN RELEASE BY GROWTH
HORMONE-RELEASE INHIBITING HOR-
MONE. Belanger A, Labrie F, Borgeat P, Savary
M, Cote J, Drouin J, Schally AV, Coy DH, Coy
EJ, Sestanj K, Nelson V, Gotz M, Immer H *Mol
Cell Endocrinol* 1: 329-39, Oct 74 (Eng)
ADENOSINE CYCLIC 3,5 MONOPHOSPHATE
(pharmacodynamics); ANIMAL EXPERIMENTS;
CELLS, CULTURED; DEPRESSION,
CHEMICAL; LH (secretion); MALE; PEPTIDES
(pharmacodynamics); PITUITARY GLAND,
ANTERIOR (secretion); POTASSIUM
(pharmacodynamics); PROLACTIN (secretion);
PROSTAGLANDINS (pharmacodynamics);
RATS; SOMATOTROPIN-RELEASING
HORMONE (antagonists & inhibitors);
SOMATOTROPIN (secretion); STIMULATION,
CHEMICAL; THEOPHYLLINE
(pharmacodynamics); THYROTROPIN
(secretion); TIME FACTORS.

Belfrage E

ADRENERGIC RECEPTORS IN ADIPOSE TIS-
SUE AND THEIR RELATION TO ADRENER-
GIC INNERVATION. Rosell S, Belfrage E *Nature*
253: 738-9, 27 Feb 75 (Eng)

Bell AW

ACUTE COLD EXPOSURE AND THE
METABOLISM OF BLOOD GLUCOSE, LAC-
TATE AND PYRUVATE, AND PLASMA
AMINO ACIDS IN THE HIND LEG OF THE
FED AND FASTED YOUNG OX. Bell AW,
Gardner JW, Manson W, Thompson GE *Br J
Nutr* 33: 207-17, Mar 75 (Eng)

ACCLIMATIZATION; AMINO ACIDS (blood);
ANIMAL EXPERIMENTS; ANIMAL
NUTRITION; BLOOD SUGAR (metabolism);
CATTLE; COLD; FASTING; HEMATOCRIT;
HINDLIMB (metabolism, blood supply);
LACTATES (blood); MALE; OXYGEN
CONSUMPTION; PYRUVATES (blood);
REGIONAL BLOOD FLOW; RESPIRATION;
UREA (metabolism).

Bell FP

FOCAL DIFFERENCES IN LIPID METABOL-
ISM OF THE YOUNG PIG AORTA. SYNTHES-
IS FROM [1-14C]ACETATE AND [U-
14C]GLUCOSE IN VITRO. Somer JB, Bell FP,
Schwartz CJ *Atherosclerosis* 20: 11-21, Jul-Aug
74 (Eng)

Bellon BN

RAPID ASSAYS FOR ADENYLATE CYCLASE
AND 3,5 CYCLIC AMP PHOSPHODI-
ESTERASE ACTIVITIES. SIMULTANEOUS
MEASUREMENTS OF OTHER PATHWAYS
OF ATP CATABOLISM. Delaage MA, Bellon
BN, Cailla HL *Anal Biochem* 62: 417-25, Dec 74
(Eng)

Belsare DK

STUDIES ON THE DEVELOPMENT OF EN-
DOCRINE GLANDS IN FISHES. III.
MORPHOGENESIS OF THE ENDOCRINE
PANCREAS IN CLARIAS BATRACHUS L. Bel-
sare DK *Z Mikros Anat Forsch* 88: 981-6, 1974
(Eng)
ANIMAL; CELL DIFFERENTIATION; FISHES
(embryology, growth & development); ISLANDS
OF LANGERHANS (embryology, growth &
development); MORPHOGENESIS.

Belzer FO

OXIDATION OF 14C-LABELED SUBSTRATES
BY DOG KIDNEY CORTEX AT 10 AND 38
DEGREES C. Huang JS, Downes GL, Childress
GL, Felts JM, Belzer FO *Cryobiology* 11: 387-94,
Oct 74 (Eng)

Bemm H

[LATE COMPLICATIONS OF DIABETES MELLITUS—CONSEQUENCE OF IMMUNOLOGIC REACTIONS] Bemm H, Lohmann D *Allerg Immunol (Leipz)* 20-21: 15-20, 1974-75 (Ger)
ADOLESCENCE; ADULT; AGED; CASE REPORT; DIABETES MELLITUS (immunology, complications); DIABETIC NEPHROPATHIES (immunology); DIABETIC RETINOPATHY (immunology); ENGLISH ABSTRACT; FEMALE; HUMAN; INSULIN ANTIBODIES (analysis); INSULIN (therapeutic use); MALE; MIDDLE AGE.

Benchimol A

HYPERLIPIDEMIA AND HEPATIC HYPERLIPOGENESIS IN SPINY MICE (ACOMYS CAHIRINUS) ON CARBOHYDRATE DIETS: RELATIONSHIP TO PERIPHERAL UNDER-RESPONSIVENESS AND LOW INSULIN RELEASE. Shafir E, Benchimol A, Orevi M *Isr J Med Sci* 11: 738-52, Jul 75 (Eng)

Benevent M

[EVOLUTION OF DIFFERENT TYPES OF ADIPOSE DEPOSITS AFTER BIRTH IN NORMAL OR HYPOPHYSECTOMIZED SHEEP MERINOS DARLES] Vezinhet A, Prudhon M, Benevent M *Ann Biol Anim Biochim Biophys* 14: 117-29, 1974 (Fre)

Ben-Bassat I

CHARACTERIZATION OF ERYTHROCYTE MEMBRANE-ASSOCIATED ENZYMES (GLYCERALDEHYDE-3-PHOSPHATE DEHYDROGENASE AND PHOSPHOGLYCERIC KINASE). Schrier SL, Ben-Bassat I, Junga I, Seeger M, Grumet FC *J Lab Clin Med* 85: 797-810, May 75 (Eng)

Benjamin D

EFFECTS OF GROUP-SELECTIVE REAGENTS ON RABBIT MUSCLE GLYCOGEN SYNTHASE. Larner J, Benjamin D, Rossini L *Mol Cell Biochem* 6: 65-70, 31 Jan 75 (Eng)

Bennett TR

PLACENTAL DIFFUSING CAPACITY IN UNANESTHETIZED RABBITS. Rocco E, Bennett TR, Power GG *Am J Physiol* 228: 465-9, Feb 75 (Eng)

Benoit G

[GLUCAGON: PHYSIOLOGY-PATHOLOGY] Benoit G *Lille Med* 20: 230-8, Mar 75 (Fre)
ANIMAL; BLOOD SUGAR; DIABETES MELLITUS (physiopathology); ENERGY METABOLISM; GLUCAGON (physiology, therapeutic use); HUMAN; HYPOGLYCEMIA (physiopathology); INSULIN (secretion); LIPID MOBILIZATION; PANCREATIC NEOPLASMS (physiopathology).

Bensinger RE

CYCLIC NUCLEOTIDE METABOLISM IN THE RETINA. Bensinger RE, Podos SM *Invest Ophthalmol* 14: 263-6, Apr 75 (Eng)
ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ADENOSINE TRIPHOSPHATE (metabolism); ADENYL CYCLASE (metabolism); ANIMAL EXPERIMENTS; CATTLE; FROGS; GUANOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); GUANOSINE TRIPHOSPHATE (metabolism); GUANYL CYCLASE (metabolism); MICE, INBRED C3H; PHOSPHODIESTERASES (metabolism); PHOTORECEPTORS (enzymology); PROTEIN KINASE (metabolism); RATS; RETINA (metabolism); RETINAL DEGENERATION (enzymology); RODS AND CONES (enzymology).

Bensinger TA

IN VITRO METABOLISM OF PACKED ERYTHROCYTES STORED IN CPD-

ADENINE. Bensinger TA, Metro J, Beutler E *Transfusion* 15: 135-9, Mar-Apr 75 (Eng)
ADENINE; ADENOSINE TRIPHOSPHATE (blood); ADULT; BLOOD PRESERVATION; BLOOD SUGAR (analysis); CELL SURVIVAL; CITRATES; DIPHOSPHOGLYCERIC ACIDS (blood); ERYTHROCYTES (metabolism); GLUCOSE; HEMATOCRIT; HEXOKINASE (diagnostic use); HUMAN; PHOSPHATES; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

THE EFFECT OF AGITATION ON IN VITRO METABOLISM OF ERYTHROCYTES STORED IN CPD-ADENINE. Bensinger TA, Metro J, Beutler E *Transfusion* 15: 140-3, Mar-Apr 75 (Eng)

ADENINE; ADENOSINE TRIPHOSPHATE (blood); ADULT; BLOOD PRESERVATION; BLOOD SUGAR (analysis); CELL SURVIVAL; CITRATES; DIPHOSPHOGLYCERIC ACIDS (blood); ERYTHROCYTES (metabolism); GLUCOSE; HEMATOCRIT; HEXOKINASE (diagnostic use); HUMAN; PHOSPHATES; SPECIMEN HANDLING; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Benz R

KINETICS OF MACROTETROLIDE-INDUCED ION TRANSPORT ACROSS LIPID BILAYER MEMBRANES. Benz R, Stark G *Biochim Biophys Acta* 382: 27-40, 28 Feb 75 (Eng)
ANTIBIOTICS; BIOLOGICAL ARTIFICIAL; CARBOXYLIC ACIDS; CESIUM; CHLORIDES; FATTY ACIDS, UNSATURATED; GLYCERIDES; KINETICS; LIPIDS; LITHIUM; MATHEMATICS; MEMBRANES, ARTIFICIAL; MODELS, BIOLOGICAL; OSMOLAR CONCENTRATION; PHOSPHATIDYL CHOLINE; RUBIDIUM; SODIUM CHLORIDE; VALINOMYCIN.

Benziger D

IN VITRO STIMULATION OF HEPATIC GLYCOGEN PHOSPHORYLASE ACTIVITY BY EPINEPHRINE AND GLUCAGON IN THE KILLIFISH, *FUNDULUS HETEROCLOTUS*. Umminger BL, Benziger D, Levy S *Comp Biochem Physiol* [C] 51: 111-5, 1 Jun 75 (Eng)

Berber S

[EVALUATION OF WORK CAPACITY IN DIABETICS] Frenkel J, Berber S *Med Pregl* 28: 263-7, 1975 (Ser)

Berchold P

[LETTER: LOW-DOSE INSULIN THERAPY IN DIABETIC COMA: DOCUMENTATION OF RESULTING INSULIN LEVELS] Berger M, Cuppers HJ, Berchold P, Zimmermann H *Dtsch Med Wochenschr* 100: 1995-6, 26 Sep 75 (Ger)
LETTER: DEPRESSION OF SERUM INSULIN BY SOMATOSTATIN. Berger M, Berchold P *N Engl J Med* 293: 723, 2 Oct 75 (Eng)

Berdanier CD

EFFECT OF MEAL-FEEDING ON THE DAILY VARIATIONS OF INSULIN, GLUCOSE, AND NADP-LINKED DEHYDROGENASES IN RATS. Kaul L, Berdanier CD *J Nutr* 105: 1132-40, Sep 75 (Eng)
EFFECT OF PANCREATECTOMY OR ADRENALECTOMY ON THE RESPONSES OF RATS TO MEAL-FEEDING. Kaul L, Berdanier CD *J Nutr* 105: 1176-85, Sep 75 (Eng)

Berg JS

CYTOCHEMICAL LOCALIZATION OF PHOSPHODIESTERASE: AXONAL MITOCHONDRIA AND MICROTUBULES. Berg JS *J Insect Physiol* 21: 455-61, Feb 75 (Eng)

ANIMAL EXPERIMENTS; AXONS (ultrastructure, enzymology); DIPTERA (enzymology, ultrastructure); HISTOCYTOCHEMISTRY; MICROTUBULES (enzymology); MITOCHONDRIA (enzymology); PHOSPHODIESTERASES (analysis).

Bergamini E

AGE-DEPENDENT CHANGES IN THE SENSITIVITY OF THE RAT TO A DIABETOGENIC AGENT (STREPTOZOTOCIN). Masiello P, De Paoli A, Bergamini E *Endocrinology* 96: 787-9, Mar 75 (Eng)

Berger G

[THE FUNCTIONAL CYTOCHEMISTRY OF AMINE PRECURSOR UPTAKE AND DECARBOXYLATION (APUD) CELLS AND ITS USES IN PATHOLOGY] Berger G, Barthelemy C, Tabib A *Ann Anat Pathol (Paris)* 19: 371-98, Oct-Dec 74 (Fre)
AMINES (metabolism); ANIMAL; BIOGENIC AMINES (metabolism); CHROMAFFIN SYSTEM (cytology); DECARBOXYLATION; DIGESTIVE SYSTEM (cytology); ENGLISH ABSTRACT; GASTROINTESTINAL HORMONES (secretion); GASTROINTESTINAL SYSTEM (cytology, metabolism); GLUCAGON (metabolism); HISTOCYTOCHEMISTRY; HORMONES (secretion); HUMAN; ISLANDS OF LANGERHANS (cytology, metabolism); LUNG (cytology); NEOPLASMS (physiopathology, pathology); PANCREATIC HORMONES (metabolism); PEPTIDES (metabolism); PITUITARY GLAND (cytology); THYROID GLAND (cytology).

Berger M

[LETTER: LOW-DOSE INSULIN THERAPY IN DIABETIC COMA: DOCUMENTATION OF RESULTING INSULIN LEVELS] Berger M, Cuppers HJ, Berchold P, Zimmermann H *Dtsch Med Wochenschr* 100: 1995-6, 26 Sep 75 (Ger)
DIABETIC COMA (drug therapy); FEMALE; HUMAN; INSULIN (administration & dosage, therapeutic use, blood); MIDDLE AGE; TIME FACTORS.
LETTER: DEPRESSION OF SERUM INSULIN BY SOMATOSTATIN. Berger M, Berchold P *N Engl J Med* 293: 723, 2 Oct 75 (Eng)
DEPRESSION, CHEMICAL; HUMAN; INSULIN (blood); SOMATOTROPIN RELEASE INHIBITING HORMONE (pharmacodynamics).

Berger W

[PRACTICAL POSTGRADUATE COURSE IN DIABETOLOGY (AUTHORS TRANSL.)] Berger W *Praxis* 64: 626-31, 20 May 75 (Ger)
ADULT; BLOOD SUGAR; CASE REPORT; CONTRACEPTIVES, ORAL (adverse effects); DIABETES MELLITUS (diagnosis, chemically induced, therapy); DIAGNOSIS, DIFFERENTIAL; EDUCATION, MEDICAL, CONTINUING; FEMALE; GLUCOSE TOLERANCE TEST; GLYCOSURIA (diagnosis); HUMAN; MALE; PREDIABETIC STATE (diagnosis); PREGNANCY COMPLICATIONS (diagnosis); PREGNANCY; REMISSION; SWITZERLAND.

[PRACTICAL POSTGRADUATE COURSE IN DIABETOLOGY (AUTHORS TRANSL.)] Berger W *Praxis* 64: 735-7, 10 Jun 75 (Ger)
AGED; BLOOD SUGAR; CASE REPORT; DIABETES MELLITUS (diet therapy, complications); EDUCATION, MEDICAL, CONTINUING; FEMALE; GLYCOSURIA (etiology); HEALTH EDUCATION; HUMAN; SWITZERLAND; URINARY TRACT INFECTIONS (etiology).

Bernlohr RW

PURIFICATION AND REGULATION OF FRUCTOSE-1,6-BISPHOSPHATASE FROM *BACILLUS LICHENIFORMIS*. Opheim DJ, Bernlohr RW *J Biol Chem* 250: 3024-33, 25 Apr 75 (Eng)

Diabetes Literature—Author Index

Berthillier G

Berthillier G

[TRANSFER OF GLUCOSE FROM UDP-GLUCOSE IN MICROSOMAL MEMBRANES OF RAT HEPATOCYTES (AUTHORS TRANSL)] Berthillier G, Azzar GJ, Got R *Eur J Biochem* 51: 275-82, 3 Feb 75 (Fre)

ANIMAL EXPERIMENTS; COLLAGEN (metabolism); ENGLISH ABSTRACT; ENZYME ACTIVATION; GLUCOSE (metabolism); GLUCOSYLTRANSFERASES (metabolism, antagonists & inhibitors); GLYCOPROTEINS (metabolism); HYDROGEN-ION CONCENTRATION; LIVER GLYCOGEN (metabolism); MALE; MEMBRANES (metabolism); MICROSOMES, LIVER (metabolism); RATS; TEMPERATURE; URIDINE DIPHOSPHATE GLUCOSE (metabolism); URIDINE DIPHOSPHATE SUGARS (metabolism).

Bertina RM

THE MECHANISM OF INHIBITION BY OLIGOMYCIN OF OXIDATIVE PHOSPHORYLATION IN MITOCHONDRIA. Bertina RM, Steenstra JA, Slater EC *Biochim Biophys Acta* 368: 279-97, 19 Dec 74 (Eng)

ANIMAL EXPERIMENTS; HYDROGEN-ION CONCENTRATION; KINETICS; MATHEMATICS; MITOCHONDRIA, LIVER (metabolism, drug effects); OLIGOMYCIN (pharmacodynamics); OXIDATIVE PHOSPHORYLATION (drug effects); OXYGEN CONSUMPTION (drug effects); PHOSPHOLIPIDS (pharmacodynamics); RATS; TEMPERATURE; TIME FACTORS.

Bertrand E

[CORONAROPATHIES IN THE BLACK AFRICAN. CLINICAL, ETIOLOGICAL AND CURRENT EPIDEMIOLOGICAL ASPECTS (APPROX OF 45 CASES)] Bertrand E, Baudin L, Chauvet J, Assamoi MO, Beda B, Renambot J, Thomas JY, Le Bras M *Arch Mal Coeur* 67: 1447-55, Dec 74 (Fre)

ADULT; AGE FACTORS; AGED; ANGINA PECTORIS (occurrence); CORONARY DISEASE (etiology, occurrence); DIABETES MELLITUS (complications); DIET FADS; ENGLISH ABSTRACT; FEMALE; HUMAN; HYPERCHOLESTEREMIA (complications); HYPERLIPIDEMIA (complications); HYPERTENSION (complications); IVORY COAST; MALE; MIDDLE AGE; MYOCARDIAL INFARCT (occurrence); NEGROID RACE; OBESITY; RISK; SEX FACTORS; SMOKING; SOCIOECONOMIC FACTORS; URIC ACID (blood).

Bessman A

RED CELL 2, 3-DIPHOSPHOGLYCERATE LEVELS AMONG DIABETIC PATIENTS WITH AND WITHOUT VASCULAR COMPLICATIONS. Kanter Y, Bessman SP, Bessman A *Diabetes* 24: 724-9, Aug 75 (Eng)

Bessman SP

RED CELL 2, 3-DIPHOSPHOGLYCERATE LEVELS AMONG DIABETIC PATIENTS WITH AND WITHOUT VASCULAR COMPLICATIONS. Kanter Y, Bessman SP, Bessman A *Diabetes* 24: 724-9, Aug 75 (Eng)

Betel I

CORRELATION OF EARLY CHANGES IN AMINO ACID TRANSPORT AND DNA SYNTHESIS IN STIMULATED LYMPHOCYTES. Van den Berg KJ, Betel I *Cell Immunol* 10: 319-23, Feb 74 (Eng)

Beutler E

IN VITRO METABOLISM OF PACKED ERYTHROCYTES STORED IN CPD-ADENINE. Bensinger TA, Metro J, Beutler E *Transfusion* 15: 135-9, Mar-Apr 75 (Eng)

THE EFFECT OF AGITATION ON IN VITRO METABOLISM OF ERYTHROCYTES STORED IN CPD-ADENINE. Bensinger TA, Metro J, Beutler E *Transfusion* 15: 140-3, Mar-Apr 75 (Eng)

Beyer J

[THE OCCURRENCE OF DIABETES MELLITUS, DIABETES INSIPIDUS, OPTIC ATROPHY AND NEUROGENIC DEAFNESS IN ONE PATIENT (AUTHORS TRANSL)] Foerster K, Spranger J, Beyer J, Regli F *J Neurol* 210: 71-6, 4 Aug 75 (Ger)

[BLOOD LACTATE LEVEL FOLLOWING INTRAVENOUS ADMINISTRATION OF SULFONYLUREA COMPOUNDS IN EQUIPOTENT DOSES, OF GLUCOSE AND COMBINATIONS OF GLUCOSE AND SULFONYLUREA COMPOUNDS IN SUBJECTS WITH NORMAL METABOLISM] Jungmann E, Beyer J, Happ J, Scherer U, Schoffing K *Verh Dtsch Ges Inn Med* 80: 1302-4, 1974 (Ger)

Bhatt SD

HISTOPATHOLOGY OF THE ENDOCRINE PANCREAS OF A FRESH-WATER FISH, CLARIAS BATRACHUS (L.) IX: EFFECT OF THE NEW ANTIDIABETIC DRUG, GLIBENCLAMIDE (HB 419). Bhatt SD *Anat Anz* 137: 138-46, 1975 (Eng)

ANIMAL; BLOOD SUGAR (metabolism); CYTOPLASMIC GRANULES (drug effects); FEMALE; FISHES; GLIBENCLAMIDE (pharmacodynamics); ISLANDS OF LANGERHANS (pathology); LIVER GLYCOGEN (metabolism); MALE; PANCREAS (drug effects, pathology, metabolism); VACUOLES.

Bhattacharya AN

APPETITE AND INSULIN-METABOLITE HARMONY IN PORTAL BLOOD OR SHEEP FED HIGH OR LOW ROUGHAGE DIET WITH OR WITHOUT INTRARUMINAL INFUSION OF VFA. Bhattacharya AN, Alulu M *J Anim Sci* 41: 225-33, Jul 75 (Eng)

ACETATES (metabolism); ANIMAL FEED; ANIMAL; APPETITE; BLOOD SUGAR (analysis); BUTYRATES (metabolism); FATTY ACIDS, NONESTERIFIED (blood); FATTY ACIDS, VOLATILE (metabolism); INSULIN (blood); JUGULAR VEIN; MALE; PORTAL VEIN; PROPIONATES (metabolism); SHEEP (blood, physiology).

EFFECT OF HIGH AMBIENT TEMPERATURE AND LOW HUMIDITY ON NUTRIENT UTILIZATION AND ON SOME PHYSIOLOGICAL RESPONSES IN AWASI SHEEP FED DIFFERENT LEVELS OF ROUGHAGE. Bhattacharya AN, Uwayjan M *J Anim Sci* 40: 320-8, Feb 75 (Eng)

ALFALFA; ANIMAL EXPERIMENTS; ANIMAL FEED; BLOOD PROTEINS (analysis); BLOOD SUGAR (analysis); BODY TEMPERATURE; DIETARY FATS (administration & dosage); ENVIRONMENT, CONTROLLED; ERYTHROCYTE COUNT; GRASSES; HEART RATE; HEMATOCRIT; HEMOGLOBINS (analysis); HUMIDITY; LEUKOCYTE COUNT; MALE; RESPIRATION; SHEEP (physiology, blood); TEMPERATURE.

Bianchi R

AGE-ADJUSTED ANALYSIS OF INSULIN RESPONSES DURING NORMAL AND ABNORMAL GLUCOSE TOLERANCE TESTS IN CHILDREN AND ADOLESCENTS. Rosenbloom AL, Wheeler L, Bianchi R, Chin FT, Tiwary CM, Grgic A *Diabetes* 24: 820-8, Sep 75 (Eng)

Bibergeil H

[DIABETES MELLITUS AND ITS SEQUELAE. I. PATHOGENESIS OF DIABETES MELLITUS-TODAY] Bibergeil H *Z Gesamte Inn Med* 30: suppl(30-2 contd, 15 Apr 75 (Ger)

DIABETES MELLITUS (etiology, familial & genetic); ENVIRONMENTAL EXPOSURE; HUMAN; INSULIN (deficiency, secretion).

Bielawiec M

THE BEHAVIOUR OF THE PLATELET-LEUKOCYTE AGGREGATION IN THROMBOTIC CONDITIONS. Bielawiec M, Kiersnowska-Rogowska B, Mysliwiec M, Perzanowski A *Folia Haematol (Leipz)* 102: 220-9, 1975 (Eng)

ADULT; AGED; ARTERIOSCLEROSIS OBLITERANS (blood, drug therapy); BLOOD COAGULATION; CORONARY DISEASE (blood); DRUG THERAPY, COMBINATION; FEMALE; HUMAN; LEUKOCYTES (pathology); MALE; MIDDLE AGE; MYOCARDIAL INFARCT (blood); NICOTINIC ACIDS (therapeutic use); PHENFORMIN (therapeutic use); PLATELET AGGREGATION; STAINS AND STAINING; STEROIDS (therapeutic use); THEOPHYLLINE (therapeutic use); THROMBOSSIS (blood).

Bienvenue A

INTERACTION BETWEEN SPIN-LABELED ACYL-COENZYME A AND THE MITOCHONDRIAL ADENOSINE DIPHOSPHATE CARRIER. Devaux PF, Bienvenue A, Lauquin G, Brisson AD, Vignais PM, Vignais PV *Biochemistry* 14: 1272-80, 25 Mar 75 (Eng)

Bindoli A

PHOSPHATE TRANSPORT ACROSS THE MITOCHONDRIAL MEMBRANE: THE INFLUENCE OF THIOL OXIDATION AND OF MG&& ON INHIBITION BY MERCURIALS. Siliprandi D, Toninello A, Zoccarato F, Bindoli A *FEBS Lett* 51: 15-7, 1 Mar 75 (Eng)

Bindslev N

PROCEEDINGS: ANOMALOUS PERMEATION OF SMALL LIPOPHILIC SOLUTES ACROSS TOAD URINARY BLADDER. Bindslev N, Wright EM *J Physiol (Lond)* 242: 120P-121P, Oct 74 (Eng)

ALCOHOLS (metabolism); ANIMAL EXPERIMENTS; BLADDER (metabolism); CELL MEMBRANE PERMEABILITY; IN VITRO; LIPIDS (metabolism); TOADS.

Birke G

SYNTHESIS OF SERUM ALBUMIN IN ISOLATED RAT LIVER PERFUSED BY A SYNTHETIC MEDIUM WITH FLUOROCARBON FC-80 EMULSION AS OXYGEN CARRIER. Novakova V, Birke G, Plantin LO *Acta Physiol Scand* 92: 289-302, Nov 74 (Eng)

Biro G

[RELATIONSHIP BETWEEN UREMIA POLYNEUROPATHY, UREMIC GLUCOSE METABOLISM DISORDER AND SEVERITY OF UREMIC INTOXICATION IN DIALYSIS PATIENTS] Goubeaud G, Kunze K, Hohmann KH, Schutterle G, Biro G *Verh Dtsch Ges Inn Med* 80: 728-31, 1974 (Ger)

Bisschop A

RELATION BETWEEN REDUCED NICOTINAMIDE ADENINE DINUCLEOTIDE OXIDATION AND AMINO ACID TRANSPORT IN MEMBRANE VESICLES FROM BACILLUS SUBTILIS. Bisschop A, de Jong L, Lima Costa ME, Konings WN *J Bacteriol* 121: 807-13, Mar 75 (Eng)

ALANINE (metabolism); AMINO ACIDS (metabolism); ANTIMYCIN A (pharmacodynamics); BACILLUS SUBTILIS (metabolism, ultrastructure, growth & development); BIOLOGICAL TRANSPORT, ACTIVE; CARBON RADIOISOTOPES; CELL MEMBRANE (metabolism); CYANIDES (pharmacodynamics); GLUTAMATES (metabolism); MENADIONE (biosynthesis); MUTATION; NAD (metabolism); NADH,

NADPH OXIDOREDUCTASES (metabolism); NITRATES (pharmacodynamics); OXIDATION-REDUCTION; OXYGEN CONSUMPTION; PROLINE (metabolism); QUINOLINES (pharmacodynamics); ROTENONE (pharmacodynamics); STEREOISOMERS.

Bivens CH

GLUCOSE INTOLERANCE IN THE CARCINOID SYNDROME. Feldman JM, Plonk JW, Bivens CH, Lebovitz HE *Diabetes* 24: 664-71, Jul 75 (Eng)

Black MM

EFFECT OF FIBRINOLYTIC TREATMENT IN MALIGNANT ATROPHIC PAPULOSIS. Delaney TJ, Black MM *Br Med J* 3: 415, 16 Aug 75 (Eng)

Blagg CR

VISUAL AND VASCULAR PROBLEMS IN DIABETIC PATIENTS. Blagg CR *Kidney Int [Suppl]* 27-31, Oct 74 (Eng)
ADULT; COMPARATIVE STUDY; DIABETES MELLITUS, JUVENILE (complications, prevention & control); DIABETIC ANGIOPATHIES (complications); DIABETIC NEPHROPATHIES (therapy, mortality, complications); DIABETIC RETINOPATHY (complications); FEMALE; HEMODIALYSIS; HEMODIALYSIS, HOME; HUMAN; INSULIN (therapeutic use); KIDNEY FAILURE, ACUTE (complications, mortality); MALE; MIDDLE AGE; NEPHROSCLEROSIS (etiology); PERITONEAL DIALYSIS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

NEUROPATHY IN DIALYZED DIABETIC PATIENTS. Blagg CR, Tenckhoff H, Scribner BH *Kidney Int [Suppl]* 86-9, Oct 74 (Eng)
CHRONIC DISEASE; COMPARATIVE STUDY; DIABETIC NEPHROPATHIES (complications, therapy); DIABETIC NEUROPATHIES (complications); HEMODIALYSIS; HUMAN; NERVOUS SYSTEM DISEASES (etiology); PERIPHERAL NERVE DISEASES (etiology); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UREMIA (complications); VASCULAR DISEASES (etiology).

Blankenhorn DH

INHERENT DEPRESSION OF ARTERIAL LIPOAMIDE DEHYDROGENASE ACTIVITY ASSOCIATED WITH SUSCEPTIBILITY TO ATHEROSCLEROSIS IN PIGEONS. Zemplenyi T, Blankenhorn DH, Rosenstein AJ *Circ Res* 36: 640-6, May 75 (Eng)

Blankstein J

MATERNAL AND FETAL RESPONSE TO RAPID GLUCOSE LOADING IN PREGNANCY AND LABOR. Zakut H, Mashiach S, Blankstein J, Serr DM *Isr J Med Sci* 11: 632-7, Jun 75 (Eng)

Blizzard RM

CIRCADIAN VARIATION OF INTEGRATED CONCENTRATION OF GROWTH HORMONE IN CHILDREN AND ADULTS. Plotnick LP, Thompson RG, Kowarski A, de Lacerda L, Migeon CJ, Blizzard RM *Nature* 253: 240-7, 13 Feb 75 (Eng)

Bloj B

HORMONE ACTION AND MEMBRANE FLUIDITY: EFFECT OF INSULIN AND CORTISOL ON THE HILL COEFFICIENTS OF RAT ERYTHROCYTE MEMBRANE-BOUND ACETYLCHOLINESTERASE AND (Na⁺ & K⁺)-ATPASE. Massa EM, Morero RD, Bloj B, Farias RN *Biochem Biophys Res Commun* 66: 115-22, 2 Sep 75 (Eng)

Blondel B

SYMPOSIUM III: HORMONES AND HORMONE RECEPTORS. A MORPHOLOGICAL APPROACH TO SURFACE RECEPTORS IN

ISLET AND LIVER CELLS. Orci L, Rufenec C, Malaisse-Lagae F, Blondel B, Amherdt M, Bataille D, Freychet P, Perrelet A *Isr J Med Sci* 11: 639-55, Jul 75 (Eng)

Blumenkrantz MJ

MAINTENANCE PERITONEAL DIALYSIS AS AN ALTERNATIVE IN THE PATIENT WITH DIABETES MELLITUS AND END-STAGE UREMIA. Blumenkrantz MJ, Shapiro DJ, Mimura N, Greopoulos DG, Griedler RM, Levin S, Tenckhoff H, Coburn JW *Kidney Int [Suppl]* 108-14, Oct 74 (Eng)

ADULT; ANIMAL; BLINDNESS (complications); DIABETIC ANGIOPATHIES (complications); DIABETIC NEPHROPATHIES (therapy, complications); DIABETIC RETINOPATHY (complications); DOGS; FEMALE; HEART FAILURE, CONGESTIVE (complications); HEMODIALYSIS; HUMAN; INSULIN (metabolism, pharmacodynamics); KIDNEY FAILURE, CHRONIC (therapy); MALE; MIDDLE AGE; MYOCARDIAL INFARCT (complications); PERITONEAL DIALYSIS (adverse effects); PERITONITIS (etiology); UREMIA (therapy).

Blumenthal HT

SPECIAL ISSUE ON ATHERO-ARTERIOSCLEROSIS. AN ICONOCLASTIC VIEW OF CURRENT CONCEPTS CONCERNING GENESIS, PREVENTION, AND CONTROL. Blumenthal HT, Alex M *Gerontologia* 21: 129-75, 1975 (Eng)

ADULT; AGED; AGING; ARTERIOSCLEROSIS (physiopathology, etiology, prevention & control, history); ATHEROSCLEROSIS (physiopathology); AUTOANTIBODIES; CALCINOSIS (complications); CARBOHYDRATES (metabolism); CORONARY DISEASE (complications); DIABETIC ANGIOPATHIES (complications); ENDOCRINE GLANDS (physiopathology); HISTORICAL ARTICLE; HISTORY OF MEDICINE, 20TH CENT.; HUMAN; HYPERTENSION (complications); INTRINSIC FACTOR; LIFE EXPECTANCY; LIPIDS (metabolism); MALE; MIDDLE AGE; MYOCARDIAL INFARCT (complications); NOMENCLATURE; VITAL STATISTICS.

Blumenthal SA

OBSERVATIONS ON SODIUM RETENTION RELATED TO INSULIN TREATMENT OF EXPERIMENTAL DIABETES. Blumenthal SA *Diabetes* 24: 645-9, Jul 75 (Eng)

ANIMAL; BLOOD SUGAR (metabolism); CHLORIDES (urine); DIABETES MELLITUS (metabolism, chemically induced, drug therapy); GLYCOSURIA; INSULIN (therapeutic use); KIDNEY (drug effects); MALE; NATRIURESIS; POTASSIUM (metabolism); RATS; SODIUM (metabolism); STREPTOZOTOCIN; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Blundell TL

IS THE EVOLUTION OF INSULIN DARWINIAN OR DUE TO SELECTIVELY NEUTRAL MUTATION? Blundell TL, Wood SP *Nature* 257: 197-203, 18 Sep 75 (Eng)

AMINO ACID SEQUENCE; ANIMAL; BINDING SITES; EVOLUTION; GENETIC CODE; INSULIN (metabolism, analysis); MODELS, BIOLOGICAL; MODELS, STRUCTURAL; MUTATION; RECEPTORS, HORMONE; STRUCTURE-ACTIVITY RELATIONSHIP.

Bobilewicz D

THE EFFECT OF PHYSICAL EXERCISE ON GLYCOGEN METABOLISM IN THE RAT LIVER. Bobilewicz D, Ranc-Bukowska E, Obuchowicz B *Acta Physiol Pol* 25: 29-38, Jan-Feb 74 (Eng)

ANIMAL EXPERIMENTS; BLOOD SUGAR; EXERCISE; GLUCOSE (analysis); GLYCOGEN (analysis); LACTATE DEHYDROGENASE (metabolism); LIVER GLYCOGEN (metabolism); LIVER (enzymology, ultrastructure); MALE; MUSCLES (analysis); PROTEINS (analysis); RATS; TIME FACTORS.

Bobkov VJa

[INDICATORS OF THE CONDITION OF CONNECTIVE TISSUE AND THE ACTIVITY OF THE PENTOSE CYCLE OF GLUCOSE METABOLISM IN PATIENTS WITH DIABETES MELLITUS] Dozoretz JuL, Okorokov AN, Bobkov VJa, Rabkin M *Sov Med* 57-60, Jun 75 (Rus)

Boda K

ULTRASTRUCTURE OF THE MOUSE PANCREAS AFTER AUROTHIOGLUCOSE ADMINISTRATION. Simkova D, Belak M, Boda K, Kosta K, Dianovska M *Acta Biol Acad Sci Hung* 25: 205-12, 1974 (Eng)

Bogdanova TS

[EFFECT OF HYDROCORTISONE ADMINISTRATION ON THE RATE OF ANAEROBIC GLYCOLYSIS IN RAT CEREBRAL CORTEX SECTIONS] Bogdanova TS, Emelianov NA *Probl Endokrinol (Mosk)* 20: 74-6, May-Jun 74 (Rus)

ANAEROBIC (drug effects); ANIMAL EXPERIMENTS; CEREBRAL CORTEX (drug effects, metabolism); ENGLISH ABSTRACT; GLUCOSE (metabolism); GLYCOLYSIS (drug effects); HISTOCYTOCHEMISTRY (methods); HYDROCORTISONE (pharmacodynamics); INJECTIONS, INTRAPERITONEAL; LACTATES (biosynthesis); MALE; RATS; TIME FACTORS.

Bogdanovich NK

[HYPOTHALAMO-HYPOPHYSIAL NEUROSECRETORY SYSTEM IN AGING] Bogdanovich NK *Arkh Patol* 36: 53-9, 1974 (Rus)

ADULT; AGED; AGING; CELL NUCLEUS; CYTOPLASM; ENGLISH ABSTRACT; FEMALE; HUMAN; HYPOTHALAMO-HYPOPHYSIAL SYSTEM (pathology); HYPOTHALAMUS (pathology); MALE; MIDDLE AGE; MYOCARDIAL INFARCT (pathology); NEUROGLIA; NEURONS; STRESS (pathology).

Boguslavskii LI

[PROTON AND ELECTRON TRANSPORT THROUGH BILAYER MEMBRANES AND THE DECAENE/WATER INTERFACE IN THE PRESENCE OF CHLOROPHYLL] Volkov AG, Lozhkin BT, Boguslavskii LI *Dokl Akad Nauk SSSR* 220: 1207-10, 1975 (Rus)

Bohmalk HA

USE OF MUTANT FIBROBLASTS IN THE ANALYSIS OF THE REGULATION OF CHOLESTEROL METABOLISM IN HUMAN CELLS. Brown MS, Brannan PG, Bohmalk HA, Brunschede GY, Dana SE, Helgeson J, Goldstein JL *J Cell Physiol* 85: 425-36, Apr 75 (Eng)

Boie-Nath A

PROTECTION OF RENAL PHOSPHOENOLPYRUVATE CARBOXYKINASE AGAINST DEGRADATION IN VITRO BY ATP, CYCLIC AMP AND AMINO ACIDS. Seubert W, Peters HH, Boie-Nath A *Biochem Biophys Res Commun* 63: 36-42, 3 Mar 75 (Eng)

Boninsegna A

THE EFFECT OF MUSCULAR EXERCISE ON FREE FATTY ACIDS, ACETOACETATE AND 3-HYDROXYBUTYRATE BLOOD LEVELS. Boninsegna A, Federspil G, De Palo C *Horm Metab Res* 6: 488-91, Nov 74 (Eng)

Boonstra J

ACETOACETATES (blood); ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); EXERTION; FASTING; FATTY ACIDS; NONESTERIFIED (blood); HYDROXYBUTYRATES (blood); KETONE BODIES (blood); LIVER (metabolism); MODELS, BIOLOGICAL; MUSCLES (physiology); RATS; SWIMMING; TIME FACTORS.

Boonstra J

AMINO ACID TRANSPORT IN MEMBRANE VESICLES OF OBLIGATELY ANAEROBIC VEILLONELLA ALCALESCENS. Konings WN, Boonstra J, De Vries W *J Bacteriol* 122: 245-9, Apr 75 (Eng)

Borget P

INHIBITION OF GROWTH HORMONE AND THYROTROPIN RELEASE BY GROWTH HORMONE-RELEASE INHIBITING HORMONE. Belanger A, Labrie F, Borget P, Savary M, Cote J, Drouin J, Schally AV, Coy DH, Coy EJ, Sestanj K, Nelson V, Gotz M, Immer H *Mol Cell Endocrinol* 1: 329-39, Oct 74 (Eng)

Bossi L

[PSYCHODIAGNOSIS OF JUVENILE DIABETES IN THE INITIAL PHASE] Bruni B, Bruni Bocher K, Bossi L, Fenoglio I, Tonso F *Ann Osp Maria Vittoria Torino* 17: 49-100, Jan-Jun 74 (Ita)

Bottermann P

[MECHANISM OF ACTION OF GLIQUIDONE (AUTHORS TRANSL.)] Zilker T, Ermler R, Henderkott U, Bottermann P *Dtsch Med Wochenschr* 100: 1733-4, 1739-41, 29 Aug 75 (Ger)

Boucrot P

[INFLUENCE OF ADDITION OF THE FREE FATTY ACIDS TO THE PERFUSATE ON THE FUNCTION OF ISOLATED RAT HEART] Didier JP, Klepping J, Boucrot P, Moreau D, Noirrot P, Bastien H *C R Soc Biol (Paris)* 168: 504-9, 1974 (Fre)

Boudreau RJ

A MODIFIED ASSAY OF 3:5-CYCLIC-AMP PHOSPHODIESTERASE. Boudreau RJ, Drummond GI *Anal Biochem* 63: 388-99, Feb 75 (Eng) ADENOSINE CYCLIC 3,5 MONOPHOSPHATE; ANIMAL EXPERIMENTS; CHROMATOGRAPHY, ION EXCHANGE; CYTOSOL (enzymology); KINETICS; METHODS; MYOCARDIUM (enzymology); PHOSPHODIESTERASES (analysis, metabolism); RABBITS; RATS; TIME FACTORS.

Boumazza M

[MEASUREMENT OF ORAL PH, A CLINICAL TEST IN CURRENT PRACTICE. DIAGNOSTIC SIGNIFICANCE] Laudembach P, Boumazza M, El-Nabbout S, Khanh-Trinh *Actual Odontostomatol (Paris)* 715-25, Dec 74 (Fre)

Bousquet F

[ALCOHOL METABOLISM. CURRENT BIOCHEMICAL ASPECTS] Neuzil E, Bousquet F *Sem Hop Ther* 51 suppl: 29-42, Jan 75 (Fre)

Boyer PD

THE RAPID LABELING OF ADENOSINE TRIPHOSPHATE BY 32P-LABELED INORGANIC PHOSPHATE AND THE EXCHANGE OF PHOSPHATE OXYGENS AS RELATED TO CONFORMATIONAL COUPLING IN OXIDATIVE PHOSPHORYLATION. Cross RL, Boyer PD *Biochemistry* 14: 392-8, 28 Jan 75 (Eng)

Braat MC

MECHANISM OF HYPOGLYCAEMIA IN A PATIENT WITH MESENCHYMAL TUMOUR. Meinders AE, Smit EM, Cejka V, Braat MC *Neth J Med* 17: 227-33, 1974 (Eng)

Diabetes Literature—Author Index

Brachet P

EFFECTS OF PROGESTERONE AND EDTA ON CYCLIC AMP AND PHOSPHODIESTERASE IN DICTYOSTELIUM DISCOIDEUM. Klein C, Brachet P *Nature* 254: 432-4, 3 Apr 75 (Eng)

Bradley RF

AORTO-CORONARY BYPASS IN THE DIABETIC PATIENT. Draskoczy SP, Leland OS, Bradley RF *Kidney Int [Suppl]* 37-40, Oct 74 (Eng)

Brady RO

PHYSIOLOGIC CONSIDERATIONS OF TISSUE LIPIDS. Brady RO *Ann Clin Lab Sci* 2: 132-6, Mar-Apr 72 (Eng) ADENOSINE TRIPHOSPHATASE (metabolism); ANIMAL EXPERIMENTS; CARDIOLIPINS (physiology); CELL TRANSFORMATION, NEOPLASTIC; CELLS (ultrastructure); CEREBROSIDES (physiology); CHEMISTRY; CHOLESTEROL (physiology); ENZYMES (metabolism); GALACTOSE; GANGLIOSIDES (physiology); HAPTENS; HUMAN; LIPIDS (physiology, immunology); MICE; ORGANOIDS (metabolism); PHOSPHATIDYL CHOLINE (physiology); PHOSPHATIDYL ETHANOLAMINE (physiology); PHOSPHATIDYL SERINE (physiology); SULFATIDES (physiology); UBIQUINONE (physiology).

Brannan PG

USE OF MUTANT FIBROBLASTS IN THE ANALYSIS OF THE REGULATION OF CHOLESTEROL METABOLISM IN HUMAN CELLS. Brown MS, Brannan PG, Bohmfalk HA, Brunschede GY, Dana SE, Helgeson J, Goldstein JL *J Cell Physiol* 85: 425-36, Apr 75 (Eng)

Brasch G

PHYSIOLOGICAL EFFECT OF ORALLY ADMINISTERED ENDOTOXIN TO MAN. Emody L, Ralovich B, Barna K, Brasch G, Ternak G *J Hyg Epidemiol Microbiol Immunol (Praha)* 18: 454-8, 1974 (Eng)

Brecht HM

[PLASMA NORADRENALINE AND ADRENALINE, PLASMA RENIN ACTIVITY AND CYCLIC AMP DURING REST PERIOD AND ORTHOSTATIS IN VARIOUS TYPES OF HYPERTENSION] Brecht HM, Musil HA, Vlachoyannis J, Schöppe W *Verh Dtsch Ges Inn Med* 80: 245-8, 1974 (Ger) ADENOSINE MONOPHOSPHATE (blood); ADULT; EPINEPHRINE (blood); EXERTION; FEMALE; HUMAN; HYPERTENSION (blood); HYPOTENSION, ORTHOSTATIC (blood); MALE; MIDDLE AGE; NOREPINEPHRINE (blood); RENIN (blood); REST.

Bressler R

NEW USES FOR PHENYTOIN. Walson P, Trinca C, Bressler R *JAMA* 233: 1385-9, 29 Sep 75 (Eng)

Breuer J

CHANGES IN CARBOHYDRATE TOLERANCE DURING LONG-TERM ORAL CONTRACEPTION. Posner NA, Silverstone FA, Tobin EH, Breuer J *Am J Obstet Gynecol* 123: 119-27, 15 Sep 75 (Eng)

Breuer RI

GASTRIC OPERATIONS AND GLUCOSE HOMEOSTASIS. II. GLUCAGON AND SECRETIN. Breuer RI, Zuckerman L, Hauch TW, Green W, Ogara P, Lawrence AM, Foa PP, Matsuyama T *Gastroenterology* 69: 598-606, Sep 75 (Eng) ADULT; ANTIGENS; BLOOD SUGAR (analysis); COMPARATIVE STUDY; DUODENAL ULCER (surgery); GASTRECTOMY; GLUCAGON (pharmacodynamics); GLUCOSE TOLERANCE

TEST; GLUCOSE (metabolism); HUMAN; HYPERGLYCEMIA (blood); INSULIN (blood); MIDDLE AGE; POSTOPERATIVE COMPLICATIONS (metabolism); PYLORIC ANTRUM (surgery); SECRETIN (pharmacodynamics); VAGOTOMY.

Brewer WD

LONGITUDINAL STUDY OF AGE AND COHORT INFLUENCES ON DIETARY PATTERNS. Garcia PA, Battese GE, Brewer WD *J Gerontol* 30: 349-56, May 75 (Eng)

Brisson AD

INTERACTION BETWEEN SPIN-LABELED ACYL-COENZYME A AND THE MITOCHONDRIAL ADENOSINE DIPHOSPHATE CARRIER. Devaux PF, Bienvenue A, Lauquin G, Brisson AD, Vignais PM, Vignais PV *Biochemistry* 14: 1272-80, 25 Mar 75 (Eng)

Britton HG

IMPERMEABILITY OF THE SHEEP PLACENTA TOWARDS ENDOGENOUS PROLACTIN. Alexander DP, Britton HG, Buttle HL, Nixon DA *Res Vet Sci* 14: 271-2, Mar 73 (Eng)

Brooke FM

CARBOHYDRATE METABOLISM IN PREGNANCY. PART I. DIURNAL PLASMA GLUCOSE PROFILE IN NORMAL AND DIABETIC WOMEN. Gilmer MD, Beard RW, Brooke FM, Oakley NW *Br Med J* 3: 399-402, 16 Aug 75 (Eng)

METABOLIC PROFILES IN PREGNANCY. Gilmer MD, Oakley NW, Brooke FM, Beard RW *Isr J Med Sci* 11: 601-8, Jun 75 (Eng)

Brown DR

BLOOD SAMPLING THROUGH UMBILICAL CATHETERS. Brown DR, Fenton LJ, Tsang RC *Pediatrics* 55: 257-60, Feb 75 (Eng) BLOOD PRESERVATION; BLOOD SPECIMEN COLLECTION (methods); BLOOD SUGAR (analysis); BLOOD; CATHETERIZATION; HEPARIN; HUMAN; HYDROGEN-ION CONCENTRATION; INFANT, NEWBORN; POTASSIUM (blood); SODIUM (blood); UMBILICAL VEINS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.

Brown HI

EFFECTS OF CLOFIBRATE AND A FAT-MODIFIED DIET ON SERUM LIPIDS. Brown HB, Lewis LA, Page IH *Clin Pharmacol Ther* 17: 171-8, Feb 75 (Eng)

ADULT; AGED; CHOLESTEROL (blood); CLINICAL RESEARCH; CLOFIBRATE (pharmacodynamics); DIET; DIETARY FATS; HUMAN; HYPERLIPIDEMIA (diet therapy, drug therapy); LIPIDS (blood); LIPOPROTEINS, LDL (blood); LIPOPROTEINS, VLDL (blood); MIDDLE AGE; TRIGLYCERIDES (blood); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

Brown MS

USE OF MUTANT FIBROBLASTS IN THE ANALYSIS OF THE REGULATION OF CHOLESTEROL METABOLISM IN HUMAN CELLS. Brown MS, Brannan PG, Bohmfalk HA, Brunschede GY, Dana SE, Helgeson J, Goldstein JL *J Cell Physiol* 85: 425-36, Apr 75 (Eng) BLOOD PROTEINS; CELL LINE; CELLS, CULTURED; CHOLESTEROL (metabolism, pharmacodynamics, analogs & derivatives); CULTURE MEDIA; ENZYME REPRESSION; FIBROBLASTS (metabolism, enzymology); HETEROZYGOTE; HOMOZYGOTE; HUMAN; HYDROXYMETHYLGLUTARYL COA REDUCTASE (metabolism); HYPERCHOLESTEREMIA (familial & genetic, metabolism); IODINE RADIOISOTOPES;

LIPOPROTEINS, LDL (metabolism); MODELS, BIOLOGICAL; MUTATION; PROTEIN BINDING; RECEPTORS, DRUG; SKIN (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

Brown PA

MEMBRANE PROTEINS RELATED TO WATER TRANSPORT IN HUMAN ERYTHROCYTES. Brown PA, Feinstein MB, Shaafi RI *Nature* 254: 523-5, 10 Apr 75 (Eng)
BIOLOGICAL TRANSPORT; CARBON RADIOISOTOPES; CELL MEMBRANE PERMEABILITY; CELL MEMBRANE (metabolism); ERYTHROCYTES (metabolism); HUMAN; PEPTIDES (metabolism); PROTEINS (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; WATER (metabolism).

Brown RH Jr

MEMBRANE SURFACE CHARGE: DISCRETE AND UNIFORM MODELLING. Brown RH Jr *Prog Biophys Mol Biol* 28: 341-70, 1974 (Eng) [27]
CALCIUM; ELECTRIC CONDUCTIVITY; HYDROGEN-ION CONCENTRATION; KINETICS; MATHEMATICS; MEMBRANES (physiology); MEMBRANES, ARTIFICIAL; MODELS, BIOLOGICAL; POTENTIOMETRY; REVIEW; THERMODYNAMICS.

Brubakk O

[LACTIC ACIDOSIS TREATED WITH GLUCOSE AND INSULIN] Brubakk O, Hopen G *Tidsskr Nor Laegeforen* 95: 1412-3, 10 Sep 75 (Nor)
ACIDOSIS, DIABETIC (drug therapy); AGED; ENGLISH ABSTRACT; GLUCOSE (therapeutic use); HUMAN; INSULIN (therapeutic use); LACTATES (metabolism); MALE; MIDDLE AGE.

Bruck E

INTERACTION OF ENDOGENOUS GROWTH HORMONE, CORTISOL, AND CATECHOLAMINES WITH BLOOD GLUCOSE IN CHILDREN WITH BRITTLE DIABETES MELLITUS. Bruck E, MacGillivray MH *Pediatr Res* 9: 535-41, Jun 75 (Eng)
BLOOD SUGAR (analysis); CATECHOLAMINES (urine); CHILD; DIABETES MELLITUS, JUVENILE (blood, urine); FEMALE; GLYCOSURIA (etiology); HUMAN; HYDROCORTISONE (blood); HYPERGLYCEMIA (etiology); HYPOGLYCEMIA (complications); INSULIN RESISTANCE; INSULIN (metabolism); KETONES (urine); MALE; SOMATOTROPIN (blood); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Bruni B

[PSYCHODIAGNOSIS OF JUVENILE DIABETES IN THE INITIAL PHASE] Bruni B, Bruni Bocher K, Bossi L, Fenoglio I, Tonso F *Ann Osp Maria Vittoria Torino* 17: 49-100, Jan-Jun 74 (Ita)
DIABETES MELLITUS, JUVENILE (diagnosis); ENGLISH ABSTRACT; PROJECTIVE TECHNIQS; PSYCHOLOGICAL TESTS; RORSCHACH TEST; ROSENZWEIG PICTURE-FRUSTRATION STUDY; WECHSLER SCALES.

Bruni Bocher K

[PSYCHODIAGNOSIS OF JUVENILE DIABETES IN THE INITIAL PHASE] Bruni B, Bruni Bocher K, Bossi L, Fenoglio I, Tonso F *Ann Osp Maria Vittoria Torino* 17: 49-100, Jan-Jun 74 (Ita)

Brunner H

[UREMIA TOXINS: EFFECT OF MEDIUM AND HIGH MOLECULAR FRACTIONS FROM

NORMAL URINE ON GLUCONEOGENESIS OF THE KIDNEY CORTEX SECTIONS IN THE RAT] Lamberts B, Brunner H, Heintz R *Verh Dtsch Ges Inn Med* 80: 722-5, 1974 (Ger)

Brunschede GY

USE OF MUTANT FIBROBLASTS IN THE ANALYSIS OF THE REGULATION OF CHOLESTEROL METABOLISM IN HUMAN CELLS. Brown MS, Brannan PG, Bohmfalk HA, Brunschede GY, Dana SE, Helgeson J, Goldstein JL *J Cell Physiol* 85: 425-36, Apr 75 (Eng)

Bryce D

STUDIES ON GROWTH HORMONE SECRETION. VII. EFFECTS OF SOMATOSTATIN ON PLASMA GH, INSULIN, AND GLUCAGON IN SHEEP. Bryce D, Yeh M, Funderburk C, Todd H, Hertelendy F *Diabetes* 24: 842-50, Sep 75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ANIMAL; ARGININE (pharmacodynamics); BLOOD SUGAR (metabolism); DRUG SYNERGISM; GLUCAGON (secretion, blood); GLUCOSE (pharmacodynamics); INSULIN (secretion, blood); MALE; PHENTOLAMINE (pharmacodynamics); PROPIONATES (pharmacodynamics); PROTAGLANDINS E (pharmacodynamics); PYRAZOLES (pharmacodynamics); SHEEP (physiology); SOMATOTROPIN RELEASE INHIBITING HORMONE (pharmacodynamics); SOMATOTROPIN (secretion, blood).

Brynger H

GLUCAGON AND INSULIN RELEASE FROM THE ALLOGRAFTED CANINE PANCREAS. Brynger H, Claes G, Lernmark A *Eur Surg Res* 7: 170-80, 1975 (Eng)
ANIMAL; ARGININE (pharmacodynamics); BLOOD SUGAR (metabolism); DOGS; FEMALE; GLUCAGON (blood); INSULIN (blood); MALE; PANCREAS (transplantation, physiology); PANCREATECTOMY; STIMULATION, CHEMICAL; TIME FACTORS; TRANSPLANTATION, ALLOGENEIC.

Buchanan KD

GASTRIC LEVELS AFTER PROXIMAL GASTRIC VAGOTOMY. Hayes JR, Ardill J, Kennedy TL, Buchanan KD *Ir J Med Sci* 144: 349-54, Sep 75 (Eng)

Buchanan-Smith JG

EFFECTS UPON GLUCOSE METABOLISM OF FEEDING A LOW- OR HIGH-ROUGHAGE DIET AT TWO LEVELS OF INTAKE TO SHEEP. Evans E, Buchanan-Smith JG *Br J Nutr* 33: 33-44, Jan 75 (Eng)

Buchner M

THREE-DIMENSIONAL STRUCTURE OF D-GLYCERALDEHYDE-3-PHOSPHATE DEHYDROGENASE. Buchner M, Ford GC, Olsen KW, Moras D, Rossmann MG *J Mol Biol* 90: 25-49, 25 Nov 74 (Eng)

AMINO ACID SEQUENCE; AMINO ACIDS (analysis); ANIMAL EXPERIMENTS; BINDING SITES; CRYSTALLIZATION; GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE; LACTATE DEHYDROGENASE; MACROMOLECULAR SYSTEMS; MOLECULAR MODELS; NAD; PROTEIN BINDING; PROTEIN CONFORMATION; SPECIES SPECIFICITY; X-RAY DIFFRACTION.

Bugajski J

THE INFLUENCE OF SEROTONIN ON INSULIN-STIMULATED GASTRIC SECRETION, BLOOD GLUCOSE AND SERUM ELECTROLYTE LEVELS IN THE UNANESTHETIZED RAT. Hano J, Bugajski J, Danek L, Wantuch C *Arch Int Pharmacodyn Ther* 216: 28-39, Jul 75 (Eng)

Bulienko SD

[CHARACTERISTICS OF THE PLACENTAL MITOCHONDRIA IN WOMEN AT VARIOUS PERIODS OF PHYSIOLOGICAL PREGNANCY] Bulienko SD, Kisilevich RSh, Skvarko SI, Matyniak LG *Ukr Biokhim Zh* 46: 492-5, Jul-Aug 74 (Ukr)
ADENOSINE TRIPHOSPHATASE (metabolism); CATIONS, DIVALENT; CELL FRACTIONATION; CHORION (ultrastructure); CYTOCHROME OXIDASE (metabolism); CYTOLOGICAL TECHNIQS; DENSITOMETRY; ENGLISH ABSTRACT; FEMALE; HUMAN; MAGNESIUM (metabolism); MICROSCOPY, ELECTRON; MITOCHONDRIA (physiology); MITOCHONDRIAL CONTRACTION; MITOCHONDRIAL SWELLING; PLACENTA (ultrastructure); PREGNANCY; TIME FACTORS.

Burd LI

PLACENTAL PRODUCTION AND FOETAL UTILISATION OF LACTATE AND PYRUVATE. Burd LI, Jones MD Jr, Simmons MA, Makowski EL, Meschia G, Battaglia FC *Nature* 254: 710-1, 24 Apr 75 (Eng)
ANIMAL EXPERIMENTS; FEMALE; FETAL BLOOD (metabolism); FETUS (metabolism); LACTATES (metabolism, biosynthesis, blood); MATERNAL-FETAL EXCHANGE; OXYGEN CONSUMPTION; PLACENTA (metabolism); PREGNANCY; PYRUVATES (metabolism, biosynthesis, blood); SHEEP; UMBILICAL ARTERIES (metabolism); UMBILICAL VEINS (metabolism); UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.; UTERUS (blood supply).

Bureau B

[ACQUIRED ULCERO-MUTILATING ACROPATHIES IN ADULTS. CRITICAL STUDY OF 150 PERSONAL CASES] Barriere H, Litoux P, Bureau B, Guineuc P, Welin J *Sem Hop Paris* 51: 595-9, 20 Feb 75 (Fre)

Burger HG

CARBOHYDRATE INTOLERANCE IN CARCINOMA OF THE LUNG. Ennis GC, Cameron DP, Burger HG *Aust NZ J Med* 4: 555-60, Dec 74 (Eng)

Burke B

NEUROPATHY, RETINOPATHY AND BIOPSY FINDINGS IN TRANSPLANTED KIDNEY IN DIABETIC PATIENTS. Barbosa J, Burke B, Buselmeier TJ, Carpenter AM, Goetz FC, Harris J, Kennedy WR, Kjellstrand CM, Michael AF, Najarian JS, Recker L *Kidney Int [Suppl]* 32-6, Oct 74 (Eng)

Burnetti P

MISUNDERSTANDING OR ERROR THE UGDP REPORT AFTER FOUR YEARS. Marigo S, Adezati L, Burnett P, Pozza G, Robba L, Urbinati G *Acta Diabetol Lat* 11: 357-422, Sep-Oct 74 (Eng) [83]

Burns CP

METABOLISM OF GLUCOSE AND FATTY ACID BY LEUKOCYTES FROM PATIENTS WITH ENDOGENOUS HYPERTRIGLYCERIDEMIA. Burns CP, Welshman IR, Spector AA *J Lab Clin Med* 85: 598-609, Apr 75 (Eng)
ADULT; AGED; CHOLESTEROL (blood); CHROMATOGRAPHY, THIN LAYER; ELECTROPHORESIS; FATTY ACIDS (metabolism); FEMALE; GLUCOSE (metabolism); HUMAN; HYDROGEN-ION CONCENTRATION; HYDROLYSIS; HYPERLIPIDEMIA (blood); KINETICS; LEUKOCYTE COUNT; LEUKOCYTES (metabolism); MALE; MIDDLE AGE; OXIDATION-REDUCTION; PALMITIC ACIDS (metabolism); PENTOSES (blood); PHOSPHOLIPIDS; TIME FACTORS;

Burrill P

TRIGLYCERIDES (blood); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Burrill P

DISTINCT COMPONENTS OF NEUTRAL AMINO ACID TRANSPORT IN CHICK SMALL INTESTINE. Miller DS, Burrill P, Lerner J *Comp Biochem Physiol [A]* 47: 767-77, 1 Feb 74 (Eng)

Burriss Garrett RJ

LOCALIZATION OF ENZYMES INVOLVED IN POLYPHOSPHOINOSITIDS METABOLISM ON THE CYTOPLASMIC SURFACE OF THE HUMAN ERYTHROCYTE MEMBRANE. Burriss Garrett RJ, Redman CM *Biochim Biophys Acta* 382: 58-64, 28 Feb 75 (Eng)

ACETYLCHOLINESTERASE (blood); ADENOSINE TRIPHOSPHATE (metabolism); CELL MEMBRANE PERMEABILITY; CELL MEMBRANE (metabolism); ERYTHROCYTES (metabolism); GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE (blood); HUMAN; PHOSPHOINOSITIDES (blood); TIME FACTORS; TRITONS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Burrow GN

BETA-ADRENERGIC STIMULATION OF CYCLIC AMP AND PROTEIN KINASE ACTIVITY IN THE THYROID. Spaulding SW, Burrow GN *Nature* 254: 347-9, 27 Mar 75 (Eng)

Buselmeier TJ

RENAL TRANSPLANTATION IN INSULIN-DEPENDENT DIABETIC PATIENTS. Kjellstrand CM, Shideman JR, Simmons RL, Buselmeier TJ, von Hartitzsch B, Goetz FC, Najarian JS *Kidney Int [Suppl]* 15-20, Oct 74 (Eng)

NEUROPATHY, RETINOPATHY AND BIOPSY FINDINGS IN TRANSPLANTED KIDNEY IN DIABETIC PATIENTS. Barbosa J, Burke B, Buselmeier TJ, Carpenter AM, Goetz FC, Harris J, Kennedy WR, Kjellstrand CM, Michael AF, Najarian JS, Recker L *Kidney Int [Suppl]* 32-6, Oct 74 (Eng)

Bussolati G

THIOSULFATION ALDEHYDE FUCHSIN (TAF) PROCEDURE FOR THE STAINING OF PANCREATIC B CELLS. Bussolati G, Bassa T *Stain Technol* 49: 313-5, Sep 74 (Eng)

ALDEHYDES; ANIMAL EXPERIMENTS; DOGS; FUCHSIN; GUINEA PIGS; HORSES; HUMAN; PANCREAS (ultrastructure); RATS; STAINS AND STAINING (methods); THIOSULFATES; TIME FACTORS.

Butler KW

THE FLUIDITY AND ORGANIZATION OF MITOCHONDRIAL MEMBRANE LIPIDS OF THE BROWN ADIPOSE TISSUE OF COLD-ADAPTED RATS AND HAMSTERS AS DETERMINED BY NITROXIDE SPIN PROBES. Cannon B, Polnaszek CF, Butler KW, Eriksson LE, Smith IC *Arch Biochem Biophys* 167: 505-18, Apr 75 (Eng)

Buttle HL

IMPERMEABILITY OF THE SHEEP PLACENTA TOWARDS ENDOGENOUS PROLACTIN. Alexander DP, Britton HG, Buttle HL, Nixon DA *Res Vet Sci* 14: 271-2, Mar 73 (Eng)

Bystrov VF

THE ENNIATIN IONOPHORES. CONFORMATION AND ION BINDING PROPERTIES. Ovchinnikov YA, Ivanov VT, Evstratov AV, Mikhailova II, Bystrov VF, Portnova SL, Balashova TA, Meshcheryakova EN, Tulchinsky VM *Int J Pept Protein Res* 6: 465-98, 1974 (Eng)

Diabetes Literature—Author Index

Caccamo A

EFFECT OF PHYSICAL EXERCISE ON SECRETION OF GROWTH HORMONE, GLUCAGON, AND CORTISOL IN OBESE AND DIABETIC CHILDREN. Garlaschi C, di Natale B, del Guercio MJ, Caccamo A, Gargantini L, Chiumello G *Diabetes* 24: 758-61, Aug 75 (Eng)

Cahill GF Jr

METABOLIC PROBLEMS IN LONG-STANDING INSULIN-DEPENDENT DIABETIC PATIENTS. Cahill GF Jr *Kidney Int [Suppl]* 47-50, Oct 74 (Eng) [25]

ANIMAL; DIABETES MELLITUS, JUVENILE (complications, prevention & control, metabolism); DIABETIC NEPHROPATHIES (pathology); HEMODIALYSIS; HUMAN; HYPERGLYCEMIA (complications); INSULIN (therapeutic use, physiology); KIDNEY FAILURE, ACUTE (therapy); KIDNEY FAILURE, CHRONIC (therapy); KIDNEY (transplantation); METABOLIC DISEASES (etiology); NITROGEN (metabolism); REVIEW; TRANSPLANTATION, HOMOLOGOUS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Cailla HL

RAPID ASSAYS FOR ADENYLATE CYCLASE AND 3,5 CYCLIC AMP PHOSPHODIESTERASE ACTIVITIES. SIMULTANEOUS MEASUREMENTS OF OTHER PATHWAYS OF ATP CATABOLISM. Delaage MA, Bellon BN, Cailla HL *Anal Biochem* 62: 417-25, Dec 74 (Eng)

Caio M

[USE OF GLUCAGON IN SMALL DOSES AND REINFUSION OF DESALTED AND CONCENTRATED ASCITIC FLUID IN THE THERAPY OF REFRACTORY CARDIAC DECOMPENSATION] Vincini B, Govoni P, Caio M *Boll Soc Ital Cardiol* 19: 401-7, 1974 (Ita)

Calam DH

THE HETEROGENEITY AND DEGRADATION OF GLUCAGON STUDIED BY POLYACRYLAMIDE GEL ELECTROPHORESIS. Calam DH, Storrer PL *J Biol Stand* 3: 263-5, 1975 (Eng)

DEAMINATION; DRUG STABILITY; ELECTROPHORESIS, POLYACRYLAMIDE GEL; GLUCAGON (analysis, metabolism); HEAT.

Callahan E

ANALYSIS OF THE REQUIREMENTS FOR PARATHYROID HORMONE ACTION IN RENAL MEMBRANES WITH THE USE OF INHIBITING ANALOGUES. Goltzmann D, Peytremann A, Callahan E, Tregear GW, Potts JT Jr *J Biol Chem* 250: 3199-203, 25 Apr 75 (Eng)

Camerini-Davalos RA

A NEW CONCEPT FOR THE EVALUATION OF THE BLOOD GLUCOSE AND INSULIN RESPONSES OF HEALTH SUBJECTS FOLLOWING AN ORAL GLUCOSE LOAD. Szabo O, Oppermann W, Victor C, Camerini-Davalos RA *Acta Diabetol Lat* 11: 265-76, Jul-Aug 74 (Eng)

Cameron DP

CARBOHYDRATE INTOLERANCE IN CARCINOMA OF THE LUNG. Ennis GC, Cameron DP, Burger HG *Aust NZ J Med* 4: 555-60, Dec 74 (Eng)

Campbell L

CARRIER SOLUTIONS FOR LOW-LEVEL INTRAVENOUS INSULIN INFUSION. Kraegen EW, Lazarus L, Meler H, Campbell L, Chia YO *Br Med J* 3: 464-6, 23 Aug 75 (Eng)

Campbell MJ

THE EFFECT OF AGE AND THE DURATION OF DIABETES MELLITUS ON THE WIDTH OF THE BASEMENT MEMBRANE OF SMALL VESSELS. Campbell MJ *Aust Dent J* 19: 414-9, Dec 74 (Eng)

ADOLESCENCE; ADULT; AGE FACTORS; ALVEOLAR PROCESS (blood supply); BASEMENT MEMBRANE (pathology); BIOPSY; CAPILLARIES (pathology); CHILD; DIABETES MELLITUS (pathology); GINGIVA (blood supply); HUMAN; PERIODONTIUM (blood supply); TIME FACTORS.

Campeanu L

NEW ULTRASTRUCTURAL APPROACH TO THE PATHOGENESIS OF DIABETIC GLOMERULOSCLEROSIS. Campeanu S, Campeanu L *Acta Diabetol Lat* 11: 283-95, Jul-Aug 74 (Eng)

Campeanu S

NEW ULTRASTRUCTURAL APPROACH TO THE PATHOGENESIS OF DIABETIC GLOMERULOSCLEROSIS. Campeanu S, Campeanu L *Acta Diabetol Lat* 11: 283-95, Jul-Aug 74 (Eng)

ANIMAL; COMPARATIVE STUDY; DIABETES MELLITUS, JUVENILE (complications); DIABETIC NEPHROPATHIES (pathology, etiology); FEMALE; GLOMERULAR FILTRATION RATE; HUMAN; KIDNEY GLOMERULUS (ultrastructure); MALE; MICE; NEPHROSCLEROSIS (pathology).

Cannon B

THE FLUIDITY AND ORGANIZATION OF MITOCHONDRIAL MEMBRANE LIPIDS OF THE BROWN ADIPOSE TISSUE OF COLD-ADAPTED RATS AND HAMSTERS AS DETERMINED BY NITROXIDE SPIN PROBES. Cannon B, Polnaszek CF, Butler KW, Eriksson LE, Smith IC *Arch Biochem Biophys* 167: 505-18, Apr 75 (Eng)

ADAPTATION, PHYSIOLOGICAL; ANIMAL EXPERIMENTS; BROWN FAT (ultrastructure); COLD; ELECTRON SPIN RESONANCE; HAMSTERS; HEAT; HIBERNATION; LIPIDS (analysis); LIPOSOMES; MATHEMATICS; MEMBRANES (ultrastructure); MITOCHONDRIA (ultrastructure); PHOSPHOLIPIDS (analysis); RATS; SPECIES SPECIFICITY; SPIN LABELS.

Carbini L

[VITAMIN A AND BIOLOGICAL MEMBRANES. IV. CHANGES INDUCED BY A VITAMIN A DEFICIENT DIET IN THE FATTY ACID COMPOSITION OF THE STROMA OF ALBINO RAT ERYTHROCYTES] Carbini L, Dazzi E, Padalino A *Acta Vitaminol Enzymol (Milano)* 28: 199-202, 1974 (Ita)

ANIMAL EXPERIMENTS; CELL MEMBRANE (metabolism); ENGLISH ABSTRACT; ERYTHROCYTES (metabolism); FATTY ACIDS (metabolism); LIPIDS (metabolism); MALE; RATS; VITAMIN A DEFICIENCY (metabolism); VITAMIN A (pharmacodynamics).

Carceller M

ROLE OF URIDINE DIPHOSPHATE GLUCOSE IN THE BIOSYNTHESIS OF STARCH. MECHANISM OF FORMATION AND ENLARGEMENT OF A GLUCOPROTEIC ACCEPTOR. Lavintman N, Tandecarz J, Carceller M, Mendiara S, Cardini CE *Eur J Biochem* 50: 145-55, 16 Dec 74 (Eng)

Cardini CE

ROLE OF URIDINE DIPHOSPHATE GLUCOSE IN THE BIOSYNTHESIS OF STARCH. MECHANISM OF FORMATION AND ENLARGEMENT OF A GLUCOPROTEIC ACCEPTOR. Lavintman N, Tandecarz J, Carceller M, Mendiara S, Cardini CE *Eur J Biochem* 50: 145-55, 16 Dec 74 (Eng)

Carlemalm E

ELECTRON DIFFRACTION STUDIES OF BIOLOGICAL MEMBRANES AND LIPIDS. Carlemalm E, Wieslander A *Nature* 254: 537-8, 10 Apr 75 (Eng)
CELL MEMBRANE (analysis); CRYSTALLOGRAPHY; LIPIDS; MICROSCOPY, ELECTRON; MOLECULAR CONFORMATION; MYOPLASMA LAIDLAWII (analysis); X-RAY DIFFRACTION.

Carlo IA

REGRESSION OF ESTABLISHED NATURAL ATHEROSCLEROTIC LESIONS BY INTESTINAL BYPASS SURGERY IN PIGEONS: STRUCTURE AND CHEMISTRY. Kottke BA, Unni KK, Carlo IA, Subbiah MT *Trans Assoc Am Physicians* 87: 263-70, 1974 (Eng)

Carlsen SA

AN IMPROVED METHOD FOR THE ISOLATION OF SURFACE MEMBRANES FROM CELLS IN MONOLAYER CULTURE. Carlsen SA, Till JE *Can J Biochem* 53: 106-8, Jan 75 (Eng)

CELL FRACTIONATION (methods); CELL MEMBRANE (ultrastructure, analysis); CELLS, CULTURED (ultrastructure); COMPARATIVE STUDY; DNA (analysis); EVALUATION STUDIES; FIBROBLASTS (ultrastructure, analysis); HAMSTERS; MICROSCOPY, ELECTRON; MICROSCOPY, PHASE CONTRAST; RNA (analysis); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Carlson LM

GLUCOSE TRANSPORT CARRIER IN HUMAN ERYTHROCYTE MEMBRANES. DINITROPHENYLATION OF A MEMBRANE COMPONENT MODIFIED BY D-GLUCOSE. Jung CY, Carlson LM *J Biol Chem* 250: 3217-20, 10 May 75 (Eng)

Carmel N

EFFECTS OF CARBOHYDRATE-FREE DIETS ON THE INSULIN-CARBOHYDRATE RELATIONSHIPS IN RATS. Carmel N, Konijn AM, Kaufman NA, Guggenheim K *J Nutr* 105: 1141-9, Sep 75 (Eng)

ANIMAL; BLOOD SUGAR (metabolism); DIAPHRAGM (metabolism); DIETARY CARBOHYDRATES (administration & dosage); DIETARY FATS (administration & dosage); DIETARY PROTEINS (administration & dosage); GLUCOSE (metabolism); GLYCOGEN (metabolism); INSULIN (blood, pharmacodynamics); LIVER GLYCOGEN (metabolism); LIVER (metabolism); MALE; MUSCLES (metabolism); RATS.

Carpenter AM

NEUROPATHY, RETINOPATHY AND BIOPSY FINDINGS IN TRANSPLANTED KIDNEY IN DIABETIC PATIENTS. Barbosa J, Burke B, Buselmeier TJ, Carpenter AM, Goetz FC, Harris J, Kennedy WR, Kjellstrand CM, Michael AF, Najarian JS, Recker L *Kidney Int [Suppl]* 32-6, Oct 74 (Eng)

Carty ME

[HYPERLIPEMIAS IN DIABETICS] Mirouze J, Carty ME *Coeur Med Interne* 13: 613-26, Oct-Dec 74 (Fre)

Casali R

SURGICAL ASPECTS OF TRANSPLANTATION IN DIABETIC PATIENTS. Simmons RL, Kjellstrand CM, Kyriakides GK, Rattazzi LC, Spanos PK, Casali R, Najarian JS *Kidney Int [Suppl]* 129-32, Oct 74 (Eng)

Caspary WF

[BILE ACIDS AND THE ACTIVE TRANSPORT OF SUGARS AND AMINO ACIDS] Caspary WF *Verh Dtsch Ges Inn Med* 80: 412-5, 1974 (Ger)

AMINO ACIDS (metabolism); ANIMAL EXPERIMENTS; BILE ACIDS AND SALTS (metabolism); BIOLOGICAL TRANSPORT; ACTIVE; CARBOHYDRATES (metabolism); HUMAN; INTESTINAL ABSORPTION; RATS.

Castelli WP

PLASMA LIPIDS AND LIPOPROTEINS IN VEGETARIANS AND CONTROLS. Sacks FM, Castelli WP, Donner A, Kass EH *N Engl J Med* 292: 1148-51, 29 May 75 (Eng)

Cataland S

GASTRIC INHIBITORY POLYPEPTIDE (GIP) STIMULATED BY FAT INGESTION IN MAN. Falko JM, Crockett SE, Cataland S, Mazzaferri EL *J Clin Endocrinol Metab* 41: 260-5, Aug 75 (Eng)

Cecchini S

[ENCEPHALOPATHY DUE TO PROTRACTED HYPOGLYCEMIC COMA DURING LOW-DOSE INSULIN THERAPY] Cecchini S, del Greco V *Riv Neurobiol* 18: 55-64, Jan-Mar 72 (Ita)

ADULT; ENGLISH ABSTRACT; FEMALE; HUMAN; HYPOGLYCEMIA (complications); INSULIN COMA (complications, chemically induced); INSULIN (administration & dosage, adverse effects); MENTAL DISORDERS (etiology).

Cechner RL

EFFECT OF GOLDTHIOGLUCOSE ON LONG-TERM CULTURES OF MOUSE HYPOTHALAMUS. Geller HM, Cechner RL, Fleming DG *Neurobiology* 2: 154-61, 1972 (Eng)

Cejka V

MECHANISM OF HYPOGLYCAEMIA IN A PATIENT WITH MESENCHYMAL TUMOUR. Meinders AE, Smit EM, Cejka V, Braat MC *Neth J Med* 17: 227-33, 1974 (Eng)

Cenajek D

STUDIES ON THE ADRENERGIC GLYCOGENOLYTIC RECEPTOR IN MAN. Szczawinska K, Szczawinski R, Badyda C, Cenajek D *Acta Physiol Pol* 25: 43-7, Jan-Feb 74 (Eng)

Cerasi E

DECREASED CYCLIC AMP AND INSULIN RESPONSE TO GLUCOSE IN ISOLATED ISLETS OF NEONATAL RATS. Grill V, Asplund K, Hellerstrom C, Cerasi E *Diabetes* 24: 746-52, Aug 75 (Eng)

DEFECTIVE INSULIN SECRETION IN THE SPINY MOUSE (ACOMYS CAHIRINUS). POSSIBLE VALUE IN THE STUDY OF THE PATHOPHYSIOLOGY OF DIABETES. Rabinovitch A, Gutzeit A, Grill V, Kikuchi M, Renold AE, Cerasi E *Isr J Med Sci* 11: 730-7, Jul 75 (Eng)

Cernele D

COMPARATIVE STUDY OF GROWTH IN ASTHMATIC CHILDREN AND OTHER CHILDREN WITH CHRONIC DISEASE TO A CONTROL GROUP. Cernele D, Cernele M *Allerg Immunol (Leipz)* 20-21: 7-13, 1974-75 (Eng)

ANTHROPOMETRY; ASTHMA (complications); BRONCHIECTASIS (complications); CHILD; CHRONIC DISEASE; COLLAGEN DISEASES (complications); COMPARATIVE STUDY; DIABETES MELLITUS, JUVENILE (complications); GROWTH DISORDERS (etiology); HEART DEFECTS, CONGENITAL (complications); HUMAN; PUNCHED-CARD SYSTEMS; RESPIRATORY FUNCTION TESTS; RHEUMATIC FEVER (complications).

Cernele M

COMPARATIVE STUDY OF GROWTH IN ASTHMATIC CHILDREN AND OTHER CHILD-

DREN WITH CHRONIC DISEASE TO A CONTROL GROUP. Cernele D, Cernele M *Allerg Immunol (Leipz)* 20-21: 7-13, 1974-75 (Eng)

Cession-Fossion A

CATECHOLAMINES AND EXERCISE-INDUCED GLUCAGON AND FATTY ACID MOBILIZATION IN THE RAT. Luyckx AS, Dresse A, Cession-Fossion A, Lefebvre PJ *Am J Physiol* 229: 376-83, Aug 75 (Eng)

Chain EB

DIABETES AND THE SURVIVAL AND RECOVERY OF THE ANOXIC MYOCARDIUM. Hearse DJ, Stewart DA, Chain EB *J Mol Cell Cardiol* 7: 397-415, Jun 75 (Eng)

Chambers A

INHIBITION OF LABILE AGGREGATION-STIMULATING SUBSTANCE (LASS) AND PLATELET AGGREGATION IN DIABETES MELLITUS. Colwell JA, Chambers A, Laimins M *Diabetes* 24: 684-7, Jul 75 (Eng)

Chance B

MITOCHONDRIAL FUNCTION UNDER HYPOXIC CONDITIONS: THE STEADY STATES OF CYTOCHROME ALPHA₂ AND ALPHA₃ AND THEIR RELATION TO MITOCHONDRIAL ENERGY STATES. Oshino N, Sugano T, Oshino R, Chance B *Biochim Biophys Acta* 368: 298-310, 19 Dec 74 (Eng)

Chandler ML

INSULIN DEGRADATION. XV. USE OF DIFFERENT ASSAY METHODS FOR THE STUDY OF MECHANISM OF ACTION OF GLUTATHIONE-INSULIN TRANSHYDROGENASE. Chandler ML, Varandani PT *Biochim Biophys Acta* 397: 307-17, 26 Aug 75 (Eng)

ANIMAL; CATTLE; GLUTATHIONE REDUCTASE; IMMUNOASSAY; INSULIN ANTIBODIES; INSULIN (metabolism); KINETICS; OXIDOREDUCTASES (metabolism); PANCREAS (enzymology); PROTEIN DISULFIDE REDUCTASE (GLUTATHIONE) (metabolism, immunology); SPECTROPHOTOMETRY (methods); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Chaney C

MANAGEMENT OF JUVENILE DIABETES MELLITUS. Chaney C, Elders MJ *J Arkansas Med Soc* 72: 111-27, Aug 75 (Eng) [50]

ACIDOSIS, DIABETIC (therapy); ACUTE DISEASE; ADOLESCENCE; BRAIN EDEMA (chemically induced); CHILD; DIABETES MELLITUS (diagnosis); DIABETES MELLITUS, JUVENILE (drug therapy, diet therapy); DRUG HYPERSENSITIVITY; EDEMA (chemically induced); HEPATOMEGALY (chemically induced); HUMAN; HYPOGLYCEMIA (chemically induced); INSULIN RESISTANCE; INSULIN (therapeutic use, adverse effects); INSULIN, LENTE (therapeutic use); INSULIN, PROTAMINE ZINC (therapeutic use); LIPODYSTROPHY (chemically induced); PATIENTS (education); PRESBYOPIA (chemically induced); REVIEW; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Chaney M

[INFLUENCE OF DIET, CORTISONE AND INSULIN ON VARIATIONS IN ENZYME ACTIVITY OF PYRUVATE CARBOXYLASE (EC 6.4.1.1) AND PHOSPHOENOLPYRUVATE CARBOXYKINASE (EC 4.1.1.32) IN RAT LIVER] Peret J, Chaney M *C R Acad Sci [D]* (Paris) 279: 2095-8, 23 Dec 74 (Fre)

Chang PC

OPTIMAL STATISTICAL DESIGN OF RADIOIMMUNOASSAYS AND COMPETI-

Charrier J

TIVE PROTEIN-BINDING ASSAYS. Chang PC, Rubin RT, Yu M *Endocrinology* 96: 973-81, Apr 75 (Eng)

ANTIGENS; BINDING, COMPETITIVE; DOSE-RESPONSE RELATIONSHIP, DRUG; MATHEMATICS; METHODS; MODELS; BIOLOGICAL; PROTEIN BINDING; RADIOIMMUNOASSAY; REGRESSION ANALYSIS; STATISTICS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Charrier J

[ANALYSIS OF GROWTH HORMONE BY THE TIBIA TEST: IMPORTANCE OF THE CHOICE OF ANIMALS] Charrier J *Ann Biol Anim Biochim Biophys* 14: 371-5, 1974 (Fre)

AGE FACTORS; ANIMAL EXPERIMENTS; BODY WEIGHT; CARTILAGE (growth & development); ENGLISH ABSTRACT; FEMALE; HYPOPHYSECTOMY; PITUITARY GLAND (physiology); RATS; SOMATOTROPIN (analysis, pharmacodynamics); TIBIA (drug effects).

[MEASURE OF PITUITARY SOMATOTROPIC ACTIVITY BY THE TIBIA TEST: EFFECT OF CERTAIN PHYSICAL TREATMENTS OF THE PITUITARY] Charrier J *Ann Biol Anim Biochim Biophys* 14: 377-81, 1974 (Fre)

ANIMAL EXPERIMENTS; ENGLISH ABSTRACT; FEMALE; PITUITARY GLAND (physiology, analysis); RATS; SOMATOTROPIN (physiology); TIBIA (physiology); TISSUE EXTRACTS (pharmacodynamics); ULTRASONICS.

Charters AC 3d

LONG TERM STUDIES OF PANCREAS TRANSPLANTATION IN EXPERIMENTAL DIABETES MELLITUS. Orloff MJ, Lee S, Charters AC 3d, Grambort DE, Storck LG, Knox D *Ann Surg* 182: 198-206, Sep 75 (Eng)

Chauvet J

[CORONAROPATHIES IN THE BLACK AFRICAN. CLINICAL, ETIOLOGICAL AND CURRENT EPIDEMIOLOGICAL ASPECTS (A PROPOS OF 45 CASES)] Bertrand E, Baudin L, Chauvet J, Assamoi MO, Beda B, Renambot J, Thomas JY, Le Bras M *Arch Mal Coeur* 67: 1447-55, Dec 74 (Fre)

Cherniak NB

[OXIDATIVE PHOSPHORYLATION IN THE ISOLATED MITOCHONDRIA OF HUMAN LYMPHOCYTES] Cherniak NB, Chernova MK, Timofeeva LM, TALENOVA NN *Vopr Med Khim* 20: 43-9, Jan-Feb 74 (Rus)

ADENOSINE TRIPHOSPHATE (biosynthesis); COMPARATIVE STUDY; CYANIDES (pharmacodynamics); ENGLISH ABSTRACT; GELATIN (metabolism); HUMAN; IN VITRO; KETOGLUTARIC ACIDS (metabolism); LEUKEMIA, LYMPHOCYTIC (blood, metabolism); LYMPHOCYTES (ultrastructure, metabolism); MICROSCOPY, ELECTRON; MITOCHONDRIA (metabolism, ultrastructure); OXIDATIVE PHOSPHORYLATION; OXYGEN CONSUMPTION; PHOSPHATES (metabolism); PLASMA (metabolism); SERUM ALBUMIN (metabolism); SUCCINATES (metabolism); SUCROSE (metabolism); TEMPERATURE.

Chernick SS

EFFECT OF ACTH ON LIPOLYSIS IN ADIPOSE TISSUE OF NORMAL AND ADRENALECTOMIZED RATS IN VIVO. Spirovski MZ, Kovacev VP, Spasovska M, Chernick SS *Am J Physiol* 228: 382-5, Feb 75 (Eng)

Chernova MK

[OXIDATIVE PHOSPHORYLATION IN THE ISOLATED MITOCHONDRIA OF HUMAN LYMPHOCYTES] Cherniak NB, Chernova MK, Timofeeva LM, TALENOVA NN *Vopr Med Khim* 20: 43-9, Jan-Feb 74 (Rus)

Diabetes Literature—Author Index

Chez RA

GLUCOSE REGULATION BY ISOLATED NEAR TERM FETAL MONKEY LIVER. Glinsmann WH, Eisen HJ, Lynch A, Chez RA *Pediatr Res* 9: 600-4, Jul 75 (Eng)

Chia YO

CARRIER SOLUTIONS FOR LOW-LEVEL INTRAVENOUS INSULIN INFUSION. Kraegen EW, Lazarus L, Meler H, Campbell L, Chia YO *Br Med J* 3: 464-6, 23 Aug 75 (Eng)

Chiang PK

CONTROL OF PYRUVATE DEHYDROGENASE ACTIVITY IN INTACT CARDIAC MITOCHONDRIA. REGULATION OF THE INACTIVATION AND ACTIVATION OF THE DEHYDROGENASE. Chiang PK, Sacktor B *J Biol Chem* 250: 3399-408, 10 May 75 (Eng)

A-23187 (pharmacodynamics); ADENOSINE DIPHOSPHATE (pharmacodynamics); ADENOSINE TRIPHOSPHATASE (metabolism); ADENOSINE TRIPHOSPHATE (pharmacodynamics); ANIMAL EXPERIMENTS; ATRACTYLOSIDE (pharmacodynamics); CALCIUM (pharmacodynamics); CARBONYL CYANIDE P-TRIFLUOROMETHOXYPHENYLHYDRAZONE (pharmacodynamics); ENZYME ACTIVATION; FLUORIDES

(pharmacodynamics); IN VITRO; KINETICS; MAGNESIUM (pharmacodynamics); MALE; MITOCHONDRIA, MUSCLE (enzymology); MYOCARDIUM (enzymology); OLIGOMYCIN (pharmacodynamics); OXYGEN CONSUMPTION; PHOSPHATES, INORGANIC (pharmacodynamics); PROTEINS (biosynthesis); PYRUVATE DEHYDROGENASE COMPLEX (metabolism); PYRUVATES (pharmacodynamics); RABBITS; ROTENONE (pharmacodynamics).

Chideckel EW

ADAPTATION TO FASTING IN BABOON. II. REGULATION OF LIPOLYSIS EARLY AND LATE IN FASTING. Koerker DJ, Goodner CJ, Chideckel EW, Ensinck JW *Am J Physiol* 229: 350-4, Aug 75 (Eng)

Chihara K

PASMA GROWTH HORMONE RESPONSES TO THYROTROPIN-RELEASING HORMONE IN THE URETHANE-ANESTHETIZED RAT. Kato Y, Chihara K, Maeda K, Ogo S, Okanishi Y *Endocrinology* 96: 1114-8, May 75 (Eng)

[PROCEEDINGS: EFFECT OF NICOTINE ON GROWTH HORMONE AND PROLACTIN SECRETION IN RATS] Kato Y, Chihara K, Maeda K, Daigo K, Imura H *Folia Endocrinol Jpn* 50: 266, 20 Feb 74 (Jpn)

[PROCEEDINGS: EFFECT OF TRH ON PITUITARY HORMONE, ESPECIALLY GROWTH HORMONE SECRETION, IN DEPRESSION] Maeda K, Yamaguchi N, Kato Y, Chihara K, Taigo K *Folia Endocrinol Jpn* 50: 267, 20 Feb 74 (Jpn)

[PROCEEDINGS: REGULATORY MECHANISM OF GROWTH HORMONE SECRETION IN RATS] Chihara K, Daigo K, Maeda K, Kato Y, Imura H *Folia Endocrinol Jpn* 50: 271, 20 Feb 74 (Jpn)

ANIMAL EXPERIMENTS; HYPOTHALAMUS (physiology); MALE; PITUITARY GLAND (secretion); RATS; SOMATOTROPIN (secretion).

Childress GL

OXIDATION OF 14C-LABELED SUBSTRATES BY DOG KIDNEY CORTEX AT 10 AND 38 DEGREES C. Huang JS, Downes GL, Childress GL, Felts JM, Belzer FO *Cryobiology* 11: 387-94, Oct 74 (Eng)

Chin FT

AGE-ADJUSTED ANALYSIS OF INSULIN RESPONSES DURING NORMAL AND ABNORMAL GLUCOSE TOLERANCE TESTS IN CHILDREN AND ADOLESCENTS. Rosenbloom AL, Wheeler L, Bianchi R, Chin FT, Tivary CM, Grgic A *Diabetes* 24: 820-8, Sep 75 (Eng)

Chini V

[ACROMEGALY ASSOCIATED WITH PACHYDERMOPRIOSIS] Chini V *Minerva Med* 66: 2717-28, 29 Aug 75 (Ita)

ACROMEGALY (complications); DIABETES MELLITUS (complications); HUMAN; MALE; MENTAL RETARDATION; MIDDLE AGE; OSTEOARTHROPATHY, PRIMARY; HYPERTROPHIC (complications); SKULL FRACTURES (complications); SPINAL DISEASES (complications).

Chiumello G

EFFECT OF PHYSICAL EXERCISE ON SECRETION OF GROWTH HORMONE, GLUCAGON, AND CORTISOL IN OBESE AND DIABETIC CHILDREN. Garlaschi C, di Natale B, del Guercio MJ, Caccamo A, Gargantini L, Chiumello G *Diabetes* 24: 758-61, Aug 75 (Eng)

Chizmadzhev IuA

[PERMEABILITY OF THE SODIUM CHANNEL OF BIOMEMBRANES IN THE PRESENCE OF A FIXED ANION CENTER] Aitian SKh, Chizmadzhev IuA *Dokl Akad Nauk SSSR* 220: 1203-6, 1975 (Rus)

Chochinov R

MARKED HYPERTHERMIA AS A MANIFESTATION OF HYPOGLYCEMIA IN LONG-STANDING DIABETES MELLITUS. Chochinov R, Daughaday WH *Diabetes* 24: 859-60, Sep 75 (Eng)

CASE REPORT; DIABETES MELLITUS (complications); DIABETIC COMA (complications); FEVER (complications); HUMAN; HYPOGLYCEMIA (complications); HYPOTHERMIA (complications); MALE; MIDDLE AGE; NAUSEA (complications); TIME FACTORS; VOMITING (complications).

Chorvathova V

RELATIONSHIP BETWEEN FREE FATTY ACIDS AND GLUCOSE UPTAKE BY RAT KIDNEY CORTEX SLICES. Chorvathova V, Ondreicka R, Dzurik R *Physiol Bohemoslov* 21: 629-32, 1972 (Eng)

ANIMAL EXPERIMENTS; BUFFERS; CELL MEMBRANE PERMEABILITY; ENERGY METABOLISM; FATTY ACIDS, NONESTERIFIED (metabolism); GALACTOSE (metabolism); GLUCOSE (metabolism); HEXOSES (metabolism); KIDNEY CORTEX (metabolism); MALE; RATS.

Choux R

[LETTER: STUDY OF SYMPATHETIC GANGLIC BY ELECTRON MICROSCOPY. ANATOMO-CLINICAL RELATIONS IN ARTERIOPATHIES] Courbier R, Jausseran JM, Reggi M, Choux R, Toga M *Nouv Presse Med* 4: 1814, 14 Jun 75 (Fre)

Chu GH

BASEMENT MEMBRANE COLLAGEN OF RENAL GLOMERULUS. Daniels JR, Chu GH *J Biol Chem* 250: 3531-7, 10 May 75 (Eng)

Cibor E

[EFFECT OF GLUCAGON ON THE LEFT VENTRICULAR FUNCTION IN PATIENTS WITH CONGESTIVE HEART FAILURE (AUTHORS TRANSL)] Dubiel JS, Pyzik A, Szczeklik J, Dubiel JP, Cibor E *Przegl Lek* 32: 662-8, 1975 (Pol)

Cirillo R

[PANCREATIC CYSTS] Varola F, Beccaria A, Oliaro A, Sasso D, Villata E, Cirillo R *Minerva Chir* 30: 83-125, 15 Feb 75 (Ita)

Cisar F

ACUTE RENAL INSUFFICIENCY IN THE RABBIT BY GLYCEROL. Gras J, Tuset N, de Vega F, Cisar F, Navarro J, del Valle O *Rev Esp Fisiol* 31: 1-3, Mar 75 (Eng)

Claes G

GLUCAGON AND INSULIN RELEASE FROM THE ALLOGRAFTED CANINE PANCREAS. Brynner H, Claes G, Lermmark A *Eur Surg Res* 7: 170-80, 1975 (Eng)

Claus TH

HORMONAL CONTROL OF CYCLIC 3:5-AMP LEVELS AND GLUCONEOGENESIS IN ISOLATED HEPATOCYTES FROM FED RATS. Pilkis SJ, Claus TH, Johnson RA, Park CR *J Biol Chem* 250: 6328-36, 25 Aug 75 (Eng)

Clinkenbeard D

MOLECULAR AND CATALYTIC PROPERTIES OF MITOCHONDRIAL (KETOGENIC) 3-HYDROXY-3-METHYLGUTARATE COENZYME A SYNTHASE OF LIVER. Reed WD, Clinkenbeard D, Lane MD *J Biol Chem* 250: 3117-23, 25 Apr 75 (Eng)

Clumek N

LETTER: SMALL INTRAVENOUS INSULIN BOLUSES IN THE TREATMENT OF DIABETIC COMA. Clumek N, Detroyer A, Nacije R, Ectors M, Balasse EO *Lancet* 2: 416, 30 Aug 75 (Eng)

ADULT; AGED; DIABETIC COMA (drug therapy); INJECTIONS, INTRAVENOUS; INSULIN (administration & dosage, therapeutic use); MIDDLE AGE.

Cobb CM

COMPARISON OF THE CAPILLARY BASAL LAMINA WIDTH IN MARGINAL GINGIVA OF DIABETIC AND NON-DIABETIC PATIENTS. Ketcham B, Cobb CM, Denys FR *Ala J Med Sci* 12: 295-301, Jul 75 (Eng)

Coburn JW

MAINTENANCE PERITONEAL DIALYSIS AS AN ALTERNATIVE IN THE PATIENT WITH DIABETES MELLITUS AND END-STAGE UREMIA. Blumenkrantz MJ, Shapiro DJ, Mimura N, Greopoulos DG, Griedler RM, Levin S, Tenckhoff H, Coburn JW *Kidney Int [Suppl]* 108-14, Oct 74 (Eng)

Cocchi D

HYPORESPONSIVENESS TO GLUCOPRIVATION DURING POSTNATAL PERIOD IN THE RAT. Gil-Ad I, Udeschini G, Cocchi D, Muller EE *Am J Physiol* 229: 512-7, Aug 75 (Eng)

Cochet B

[A CLINICAL STUDY OF A NEW SULFONYLUREA HYPOGLYCEMIC AGENT: GLIPIZIDE (GLIBENESE)(AUTHORS TRANSL)] Cochet B, Balant L, Rilliet B, Zahnd G *Praxis* 64: 562-8, 6 May 75 (Fre)

ACETONE (urine); AGED; BLOOD SUGAR (analysis); CASE REPORT; CHEMISTRY; DELAYED-ACTION PREPARATIONS; DIABETES MELLITUS (drug therapy); ENGLISH ABSTRACT; FEMALE; GLIPIZIDE (therapeutic use); GLYCOSURIA (etiology); HUMAN; MALE; MIDDLE AGE; PROTEINURIA (etiology); SULFONYLUREA COMPOUNDS (therapeutic use).

Cohen AM

COMPARATIVE STUDY OF THE PATHOLOGY OF SUCROSE-INDUCED DIABETES IN THE RAT AND ADULT-ONSET DIABETES IN

MAN. Rosenmann E, Yanko L, Cohen AM *Isr J Med Sci* 11: 753-61, Jul 75 (Eng)

Cohen BD

TOXICITY ARISING FROM THE UREA CYCLE. Cohen BD, Handelsman DG, Pai BN *Kidney Int [Suppl]* 285-7, Feb 75 (Eng)

ANIMAL; ARGININE (diagnostic use); ASPARTIC ACID (diagnostic use); DOGS; GLUCAGON (secretion); GLYCOGEN (metabolism); GUANIDINES (metabolism); INSULIN (secretion); LIVER (metabolism); PANCREAS (drug effects); RATS; UREA (metabolism, diagnostic use); UREMIA (etiology, metabolism).

Cohen PJ

THE MITOCHONDRION AND BIOLOGIC OXIDATIONS. Nahrwald ML, Cohen PJ *Clin Anesth* 11: 1-23, 1975 (Eng) [73]

Cohen RD

EFFECT OF PHENFORMIN ON GLUCONEOGENESIS FROM LACTATE AND INTRACELLULAR PH IN THE ISOLATED PERFUSED GUINEA PIG LIVER. Lloyd MH, Iles RA, Walton B, Hamilton CA, Cohen RD *Diabetes* 24: 618-24, Jul 75 (Eng)

Coleman DL

SYMPOSIUM IV: DIABETIC SYNDROME IN ANIMALS. INFLUENCE OF GENETIC BACKGROUND ON THE EXPRESSION OF MUTATIONS AT THE DIABETES LOCUS IN THE MOUSE. II. STUDIES ON BACKGROUND MODIFIERS. Coleman DL, Hummel KP *Isr J Med Sci* 11: 708-13, Jul 75 (Eng)

ANIMAL; ATROPHY; DIABETES MELLITUS (familial & genetic); GENES; HYPERTROPHY; ISLANDS OF LANGERHANS (pathology); MICE; MICE, INBRED C57BL; MICE, ÖBSE; MUTATION; OBESITY (familial & genetic); PHENOTYPE; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Coltoff-Schiller B

ARTERIAL LYOSOMES AND CONNECTIVE TISSUE IN PRIMATE ATHEROSCLEROSIS AND HYPERTENSION. Wolinsky H, Goldfischer S, Daly MM, Kasak LE, Coltoff-Schiller B *Circ Res* 36: 553-61, Apr 75 (Eng)

Colwell JA

INHIBITION OF LABILE AGGREGATION-STIMULATING SUBSTANCE (LASS) AND PLATELET AGGREGATION IN DIABETES MELLITUS. Colwell JA, Chambers A, Laimins M *Diabetes* 24: 684-7, Jul 75 (Eng)

ADENOSINE DIPHOSPHATE (pharmacodynamics); ADULT; BLOOD PLATELETS (physiopathology); COLLAGEN (pharmacodynamics); DIABETES MELLITUS (physiopathology, blood); DOSE-RESPONSE RELATIONSHIP, DRUG; EPINEPHRINE (pharmacodynamics); FACTOR V (antagonists & inhibitors); FATTY ACIDS, UNSATURATED (antagonists & inhibitors, pharmacodynamics); HUMAN; PEROXIDES (antagonists & inhibitors); PLATELET AGGREGATION (drug effects); PROSTAGLANDINS (metabolism); PROSTENOIC ACIDS (antagonists & inhibitors); 5,8,11,14-EICOSATETRAYNOIC ACID (pharmacodynamics).

Comty CM

PSYCHOSOCIAL PROBLEMS IN DIALYZED IDIABETIC PATIENTS. Comty CM, Leonard A, Shapiro FL *Kidney Int [Suppl]* 144-51, Oct 74 (Eng)

ADAPTATION, PSYCHOLOGICAL; ADULT; AGE FACTORS; AGED; BLINDNESS (etiology, complications); DIABETES MELLITUS (complications); DIABETIC NEPHROPATHIES (therapy, rehabilitation, mortality); FEMALE;

HEMODIALYSIS (adverse effects); HEMODIALYSIS, HOME; HOSPITALIZATION; HUMAN; INCOME; KIDNEY FAILURE, CHRONIC (therapy, rehabilitation); MALE; MARRIAGE; MENTAL DISORDERS (etiology); MIDDLE AGE; MINNESOTA; PSYCHOLOGICAL TESTS; SEX BEHAVIOR; SOCIAL ADJUSTMENT; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

NUTRITIONAL AND METABOLIC PROBLEMS IN THE DIALYZED PATIENT WITH DIABETES MELLITUS. Comty CM, Leonard A, Shapiro FL *Kidney Int [Suppl]* 51-7, Oct 74 (Eng)

ADULT; AGED; DIABETIC NEPHROPATHIES (complications, therapy); FEMALE; HEMODIALYSIS; HUMAN; HYPERCALCEMIA (etiology); HYPERGLYCEMIA (etiology, occurrence, prevention & control); HYPOGLYCEMIA (etiology, prevention & control); INSULIN (therapeutic use); KIDNEY FAILURE, ACUTE (complications); LIPIDS (metabolism); MALE; METABOLIC DISEASES (etiology); MIDDLE AGE; NUTRITION DISORDERS (etiology, prevention & control); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

MORTALITY, MORBIDITY AND REHABILITATION RESULTS IN REGULARLY DIALYZED PATIENTS WITH DIABETES MELLITUS. Shapiro FL, Leonard A, Comty CM *Kidney Int [Suppl]* 8-14, Oct 74 (Eng)

Conley AJ

A NON-CALORIC ROLE FOR MCT AND OTHER LIPIDS. Kabara JJ, Conley AJ *Z Ernährungswiss [Suppl]* 17-26, 1974 (Eng)

Conrad B

[THE DIAGNOSTIC VALUE OF THE F WAVE LATENCY (AUTHORS TRANSL)] Conrad B, Aschoff JC, Fischler M *J Neurol* 210: 151-9, 22 Sep 75 (Ger)

ADOLESCENCE; ADULT; AGED; ARM (anatomy & histology); DIABETES MELLITUS (physiopathology); DIABETIC NEUROPATHIES (physiopathology); ELECTROPHYSIOLOGY; ENGLISH ABSTRACT; FEMALE; HUMAN; MALE; MEDIAN NERVE; METHODS; MIDDLE AGE; NEURAL CONDUCTION; POLYNEURITIS (physiopathology); TIME FACTORS.

Consolo F

[PRELIMINARY RESEARCH ON THE EFFECTS OF ADMINISTRATION OF COA ON PLASMATIC LIPIDS IN HUMANS] Arrigo F, Vitale D, Consolo F *Clin Ter* 71: 459-68, 15 Dec 74 (Ita)

Contoyiannis PA

PATTERN OF CSF GLUCOSE CONCENTRATION AFTER INDUCED HYPERGLYCAEMIA IN PATIENTS WITH ACUTE MENINGITIS AND EVIDENCE OF CEREBROSPINAL CANAL OBSTRUCTION. Contoyiannis PA, Adamopoulos DA, Leventis AS *Eur Neurol* 13: 476-80, 1975 (Eng)

ACUTE DISEASE; ADULT; BLOOD SUGAR (metabolism); CONSTRICTION; FEMALE; GLUCOSE (cerebrospinal fluid, diagnostic use); HUMAN; HYPERGLYCEMIA (cerebrospinal fluid, chemically induced); MALE; MENINGITIS (cerebrospinal fluid, complications, blood); MIDDLE AGE; SPINAL CORD DISEASES (cerebrospinal fluid, etiology); SPINAL CORD.

Cooper DA

BEHCETS SYNDROME: CLINICAL, IMMUNOLOGICAL AND THERAPEUTIC EVALUATION OF 17 PATIENTS. Cooper DA, Penny R *Aust NZ J Med* 4: 585-96, Dec 74 (Eng)

ADOLESCENCE; ADRENAL CORTEX HORMONES (therapeutic use); ADULT; AGED; ARTHRITIS (etiology); AUTOANTIBODIES

Copinschi G

(analysis); BEHCETS SYNDROME (complications, immunology, drug therapy); BLISTER (etiology); CHILD; COMPLEMENT (analysis); CRYOGLOBULINS (analysis); CYCLOPHOSPHAMIDE (therapeutic use); ETHYLESTRENOL (therapeutic use); FEMALE; GASTROINTESTINAL DISEASES (etiology); HUMAN; IMMUNOGLOBULINS (analysis); MALE; MIDDLE AGE; NEUROSES (etiology); PHENFORMIN (therapeutic use); SKIN ULCER (etiology).

Copinschi G

MONTHLY VARIATIONS OF SERUM LEVELS OF THYROTROPIN, GROWTH HORMONE AND CORTISOL IN MAN. Golstein J, Van Cauter E, Leclercq R, Copinschi G, Vanhaelst L. *Horm Metab Res* 6: 506-9, Nov 74 (Eng)

Cordaro V

[EFFECT OF CARNITINE ON LIPID METABOLISM IN NORMAL CHILDREN] Gemelli M, Cordaro V. *Boll Soc Ital Biol Sper* 50: 667-72, 30 May 74 (Ita)

Cordova T

UNDER-RESPONSIVENESS OF GROWTH HORMONE SECRETION AFTER L-DOPA AND DEEP SLEEP STIMULATION IN OBESE SUBJECTS. Laurian L, Oberman Z, Ayalon D, Cordova T, Herzberg M, Horer E, Harell A. *Isr J Med Sci* 11: 482-7, May 75 (Eng)

Cordua A

ORGANIZATION OF ENZYMES OF GLYCOLYSIS AND OF GLUTATHIONE METABOLISM IN HUMAN RED CELL MEMBRANES. Tillman W, Cordua A, Schroter W. *Biochim Biophys Acta* 382: 157-71, 13 Mar 75 (Eng)

Cornish-Bowden A

THE KINETICS OF COUPLED ENZYME REACTIONS. APPLICATIONS TO THE ASSAY OF GLUCOKINASE, WITH GLUCOSE 6-PHOSPHATE DEHYDROGENASE AS COUPLING ENZYME. Storer AC, Cornish-Bowden A. *Biochem J* 141: 205-9, Jul 74 (Eng)

Cornwell DG

A SUGGESTED ROLE FOR HYDROGEN PEROXIDE IN THE BIOSYNTHESIS OF PROSTAGLANDINS. Panganamala RV, Sharma HM, Sprecher H, Geer JC, Cornwell DG. *Prostaglandins* 8: 3-11, 10 Oct 74 (Eng)

THE GROSS AND HISTOLOGIC APPEARANCE AND THE LIPID COMPOSITION OF NORMAL INTIMA AND LESIONS FROM HUMAN CORONARY ARTERIES AND AORTA. Panganamala RV, Geer JC, Sharma HM, Cornwell DG. *Atherosclerosis* 20: 93-104, Jul-Aug 74 (Eng)

Cortina de Luna JL

[NON-FUNCTIONING ADRENOCORTICAL CARCINOMA AND FOCAL CHRONIC PYELONEPHRITIS] Yanez AP, Fernandez CJ, Mejias MM, Rojas MT, Velasco FT, Cortina de Luna JL. *Rev Clin Esp* 137: 563-70, 30 Jun 75 (Spa)

Coster HG

ELECTROMECHANICAL STRESSES AND THE EFFECT OF PH ON MEMBRANE STRUCTURE. Coster HG. *Biochim Biophys Acta* 382: 142-6, 13 Mar 75 (Eng)

CELL MEMBRANE: ELECTROCHEMISTRY; HYDROGEN-ION CONCENTRATION; MATHEMATICS; MEMBRANE POTENTIALS; OSMIUM; POTENTIOMETRY.

Costiner E

[INFLUENCE OF EXPERIMENTAL HYPERTENSION AND HYPOTHYROIDISM ON THE METABOLISM OF RADIOACTIVE INSULIN AT THE LEVEL OF THE LIVER IN RATS] Costiner E, Simionescu L, Oprea M. *Stud Cercet Endocrinol* 23: 253-8, 1972 (Rum)

Diabetes Literature—Author Index

ANIMAL; HYPERTHYROIDISM (metabolism); HYPOTHYROIDISM (metabolism); INSULIN (metabolism); IODINE ISOTOPES, DIAGNOSTIC; LIVER (metabolism); PROTEIN DISULFIDE REDUCTASE (GLUTATHIONE) (metabolism); RATS.

Cote J

INHIBITION OF GROWTH HORMONE AND THYROTROPIN RELEASE BY GROWTH HORMONE-RELEASE INHIBITING HORMONE. Belanger A, Labrie F, Borgeat P, Savary M, Cote J, Drouin J, Schally AV, Coy DH, Coy EJ, Sestanj K, Nelson V, Gotz M, Immer H. *Mol Cell Endocrinol* 1: 329-39, Oct 74 (Eng)

Cottalasso D

EFFECTS OF ALLOXAN DIABETES AND INSULIN ON MORPHOLOGY AND CERTAIN FUNCTIONAL ACTIVITIES OF MITOCHONDRIA OF THE RAT LIVER AND HEART. Marinari UM, Monacelli R, Cottalasso D, Novelli A. *Acta Diabetol Lat* 11: 296-314, Jul-Aug 74 (Eng)

Coty WA

PHOSPHATE TRANSPORT IN RAT LIVER MITOCHONDRIA. MEMBRANE COMPONENTS LABELED BY N-ETHYLMALIMIDE DURING INHIBITION OF TRANSPORT. Coty WA, Pedersen PL. *J Biol Chem* 250: 3515-21, 10 May 75 (Eng)

ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT; DITHIOTHREITOL (pharmacodynamics); ETHYLMALIMIDE (pharmacodynamics); MALE; MEMBRANES (metabolism); MERCURIBENZOATES (pharmacodynamics); MITOCHONDRIA, LIVER (metabolism); MITOCHONDRIAL SWELLING (drug effects); MOLECULAR WEIGHT; PHOSPHATES (metabolism); PROTEINS (metabolism); RATS; SULFHYDRYL COMPOUNDS (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Coulson R

EFFECT OF CHLORPROPAMIDE ON RENAL RESPONSE TO PARATHYROID HORMONE IN NORMAL SUBJECTS AND IN PATIENTS WITH HYPOPARATHYROIDISM AND PSEUDOHYPOPARATHYROIDISM. Coulson R, Moses AM. *J Pharmacol Exp Ther* 194: 603-13, Sep 75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (urine); ADULT; ANIMAL; CHLORPROPAMIDE (pharmacodynamics); FEMALE; HUMAN; HYPOPARATHYROIDISM (physiopathology); KIDNEY (drug effects); MALE; PARATHYROID GLANDS (physiology); PARATHYROID HORMONE (pharmacodynamics); PHOSPHATES (urine); PSEUDOHYPOPARATHYROIDISM (physiopathology); RATS; TOLAZAMIDE (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Coupland GA

PARIETAL CELL VAGOTOMY. Cumberland VH, Coupland GA. *Med J Aust* 2: 39-42, 12 Jul 75 (Eng)

Courbier R

[LETTER: STUDY OF SYMPATHETIC GANGLIC BY ELECTRON MICROSCOPY. ANATOMO-CLINICAL RELATIONS IN ARTERIOPATHIES] Courbier R, Jausseran JM, Reggi M, Choux R, Toga M. *Nouv Presse Med* 4: 1814, 14 Jun 75 (Fre)

ATHEROSCLEROSIS (pathology); DIABETIC ANGIOPATHIES (pathology); GANGLIA, AUTONOMIC (ultrastructure); HUMAN;

NEUROFIBRILS; SYMPATHECTOMY; VASCULAR DISEASES (pathology).

Court JM

LETTER: GLIBENCLAMIDE-INDUCED HYPOGLYCAEMIA. Silience DO, Court JM. *Br Med J* 3: 490-1, 23 Aug 75 (Eng)

Cox ME

AN ATHEROSCLEROSIS PREVENTION PROGRAM. EVALUATION OF THE FIRST SIX YEARS. Wear RF Jr, Cox ME, Lento HG. *J Occup Med* 17: 295-303, May 75 (Eng)

Coy DH

INHIBITION OF GROWTH HORMONE AND THYROTROPIN RELEASE BY GROWTH HORMONE-RELEASE INHIBITING HORMONE. Belanger A, Labrie F, Borgeat P, Savary M, Cote J, Drouin J, Schally AV, Coy DH, Coy EJ, Sestanj K, Nelson V, Gotz M, Immer H. *Mol Cell Endocrinol* 1: 329-39, Oct 74 (Eng)

Coy EJ

INHIBITION OF GROWTH HORMONE AND THYROTROPIN RELEASE BY GROWTH HORMONE-RELEASE INHIBITING HORMONE. Belanger A, Labrie F, Borgeat P, Savary M, Cote J, Drouin J, Schally AV, Coy DH, Coy EJ, Sestanj K, Nelson V, Gotz M, Immer H. *Mol Cell Endocrinol* 1: 329-39, Oct 74 (Eng)

Creutzfeldt W

PANCREATIC ENDOCRINE TUMORS—THE RIDDLE OR THEIR ORIGIN AND HORMONE SECRETION. Creutzfeldt W. *Isr J Med Sci* 11: 762-76, Jul 75 (Eng)

CELL DIFFERENTIATION; HISTORICAL ARTICLE; HISTORICAL BIOGRAPHY; HISTORY OF MEDICINE, 20TH CENT.; INSULIN (secretion); ISLANDS OF LANGERHANS (ultrastructure, physiopathology); ISLET CELL TUMOR (pathology, metabolism); ISRAEL; MANNOHEPTULOSE (pharmacodynamics); PANCREATIC NEOPLASMS (pathology, metabolism); SECRETORY RATE; ZOLLINGER-ELLISON SYNDROME (pathology).

Crockett, SE

GASTRIC INHIBITORY POLYPEPTIDE (GIP) STIMULATED BY FAT INGESTION IN MAN. Falko JM, Crockett, SE, Cataland S, Mazzaferri EL. *J Clin Endocrinol Metab* 41: 260-5, Aug 75 (Eng)

Cross RL

THE RAPID LABELING OF ADENOSINE TRIPHOSPHATE BY 32P-LABELED INORGANIC PHOSPHATE AND THE EXCHANGE OF PHOSPHATE OXYGENS AS RELATED TO CONFORMATIONAL COUPLING IN OXIDATIVE PHOSPHORYLATION. Cross RL, Boyer PD. *Biochemistry* 14: 392-8, 28 Jan 75 (Eng)

ADENOSINE TRIPHOSPHATE (metabolism); CATTLE; DINITROPHENOLS (pharmacodynamics); MITOCHONDRIA, MUSCLE (metabolism, drug effects); OLIGOMYCIN (pharmacodynamics); OXIDATIVE PHOSPHORYLATION (drug effects); OXYGEN ISOTOPES; PHOSPHATES (metabolism); PHOSPHORUS RADIOISOTOPES; UNCOUPLING AGENTS (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Crossley JR

INSULIN-LIKE INSULINASE-RESISTANT MATERIAL, DISTINGUISHABLE FROM NORMAL INSULIN, IN JUVENILE DIABETES. Crossley JR, Elliott RB. *Diabetes* 24: 609-17, Jul 75 (Eng)

ADOLESCENCE; ANTIGEN-ANTIBODY REACTIONS; ANTIGENS (urine); CHILD; CHILD, PRESCHOOL; CREATININE (urine); DIABETES MELLITUS, JUVENILE (urine); FEMALE; HUMAN; INSULIN (urine, metabolism); INSULINASE (metabolism); ISOELECTRIC POINT; KINETICS; MALE; OBESITY IN DIABETES (urine); PEPTIDE HYDROLASES (metabolism); PROINSULIN (urine); PROTEINURIA; SWINE.

Csermely TV

BIOCHEMICAL PARAMETERS OF ABNORMAL ENDOMETRIUM. Hughes EC, Csermely TV, Jacobs RD, O'Hern P *Gynecol Oncol* 2: 205-20, Aug 74 (Eng)

Cuatrecasas P

EPINEPHRINE STIMULATION OF FAT CELL ADENYLATE CYCLASE: REGULATION BY GUANOSINE-5-TRIPHOSPHATE AND MAGNESIUM ION. Siegel MI, Cuatrecasas P *Mol Cell Endocrinol* 1: 89-98, Apr 74 (Eng)

Cucurachi L

CLINICAL EXPERIENCES ON THERAPEUTIC MEASURES OF OBESITY. Strata A, Zuliani U, Cucurachi L, Dellanna A *G Clin Med* 55: 718-31, Oct 74 (Eng)

Cumberland VH

PARIENTAL CELL VAGOTOMY. Cumberland VH, Coupland GA *Med J Aust* 2: 39-42, 12 Jul 75 (Eng)

ADULT; AGED; DIARRHEA (occurrence); DRAINAGE; DUMPING SYNDROME (occurrence); DUODENAL ULCER (surgery, physiopathology); ESOPHAGITIS (surgery, physiopathology); FEMALE; GASTRIC JUICE (secretion); HUMAN; INSULIN (diagnostic use); MALE; MIDDLE AGE; POSTOPERATIVE COMPLICATIONS (occurrence); RECURRENCE; STOMACH ULCER (surgery, physiopathology); STOMACH (innervation); VAGOTOMY (methods).

Cuppers HJ

[LETTER: LOW-DOSE INSULIN THERAPY IN DIABETIC COMA: DOCUMENTATION OF RESULTING INSULIN LEVELS] Berger M, Cuppers HJ, Berchtold P, Zimmermann H *Dtsch Med Wochenschr* 100: 1995-6, 26 Sep 75 (Ger)

Curtis-Prior PB

PROTAGLANDINS AND OBESITY. Curtis-Prior PB *Lancet* 1: 897-9, 19 Apr 75 (Eng)
ADENYL CYCLASE (antagonists & inhibitors); ADIPOSE TISSUE (metabolism, pathology); CATECHOLAMINES (physiology); CELL MEMBRANE (metabolism); CORTICOTROPIN (physiology); FATTY ACIDS, NONESTERIFIED (metabolism); FEEDBACK; GLYCERIN (metabolism); HUMAN; LIPIDS (metabolism); OBESITY (metabolism); PHOSPHODIESTERASES (antagonists & inhibitors); PROTAGLANDINS (pharmacodynamics, biosynthesis, physiology); PROTEIN KINASE (antagonists & inhibitors); RECEPTORS, ADRENERGIC; TRIGLYCERIDES (metabolism).

Czekalski S

[TEMPORAL RELATIONSHIP CONCERNING CHANGES IN BLOOD INSULIN, SUGAR AND ADENOSINE-35-MONOPHOSPHATE FOLLOWING ADMINISTRATION OF GLUCAGON TO HEALTHY SUBJECTS] Czekalski S, Kosowicz J, Kozak W, Ruszkowska J *Pol Arch Med Wewn* 54: 127-32, Aug 75 (Pol)
ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (blood); BLOOD SUGAR (analysis); ENGLISH ABSTRACT; GLUCAGON (pharmacodynamics); HUMAN; INSULIN (blood); TIME FACTORS.

Daigo K

[PROCEEDINGS: EFFECT OF NICOTINE ON GROWTH HORMONE AND PROLACTIN SECRETION IN RATS] Kato Y, Chihara K, Maeda K, Daigo K, Imura H *Folia Endocrinol Jpn* 50: 266, 20 Feb 74 (Jpn)

[PROCEEDINGS: REGULATORY MECHANISM OF GROWTH HORMONE SECRETION IN RATS] Chihara K, Daigo K, Maeda K, Kato Y, Imura H *Folia Endocrinol Jpn* 50: 271, 20 Feb 74 (Jpn)

Daloze P

AN UNUSUAL BETA-CELL ADENOMA. Dewilde J, Baillargeon J, Daloze P, Rasio E *Can Med Assoc J* 113: 413-6, 6 Sep 75 (Eng)

Daly MM

ARTERIAL LYSOSOMES AND CONNECTIVE TISSUE IN PRIMATE ATHEROSCLEROSIS AND HYPERTENSION. Wolinsky H, Goldfischer S, Daly MM, Kasak LE, Coltoff-Schiller B *Circ Res* 36: 553-61, Apr 75 (Eng)

Daminano A

METABOLIC ALKALOSIS IN DIABETIC KETOSIS. Jimenez JA, Daminano A, Fernandez E, Rodriguez-Rubio F, Garrido M *JAMA* 233: 1193-4, 15 Sep 75 (Eng)

Dan TC

COENZYME SPECIFICITY IN THE GLYCOLYSIS OF INTRAOCULAR FLUIDS. Gersheim LL, Dan TC *Res Commun Chem Pathol Pharmacol* 10: 155-61, Jan 75 (Eng)

Dana SE

USE OF MUTANT FIBROBLASTS IN THE ANALYSIS OF THE REGULATION OF CHOLESTEROL METABOLISM IN HUMAN CELLS. Brown MS, Brannan PG, Bohmfalk HA, Brunschede GY, Dana SE, Helgeson J, Goldstein JL *J Cell Physiol* 85: 425-36, Apr 75 (Eng)

Danek L

THE INFLUENCE OF SEROTONIN ON INSULIN-STIMULATED GASTRIC SECRETION, BLOOD GLUCOSE AND SERUM ELECTROLYTE LEVELS IN THE UNANESTHETIZED RAT. Hano J, Bugajski J, Danek L, Wantuch C *Arch Int Pharmacodyn Ther* 216: 28-39, Jul 75 (Eng)

Dangel P

[THE TECHNIC OF INFUSION TREATMENT AND PARENTERAL FEEDING IN NEWBORNS AND INFANTS] Dangel P *Infusionstherapie* 2: 34-43, Feb 75 (Ger)
BLOOD TRANSFUSION; CATHETERIZATION (adverse effects); DEHYDRATION (etiology); EMULSIONS (adverse effects); ENGLISH ABSTRACT; FEMALE; FEMORAL VEIN; HEPARIN (administration & dosage); HUMAN; HYPERGLYCEMIA (etiology); HYPERTONIC SOLUTIONS (adverse effects); INFANT; INFANT, NEWBORN; INFUSIONS, PARENTERAL (methods); JUGULAR VEIN; PARENTERAL FEEDING (methods); PLASMA; SHOCK (therapy); SUBCLAVIAN VEIN; VENAE CAVAE.

Daniel RR

INTERRELATIONS OF GLUCOSE, INSULIN AND GLUCAGON AFTER OVERNIGHT FAST AND IN RESPONSE TO ORAL GLUCOSE DURING LATE PREGNANCY. Nitzen M, Freinkel N, Metzger BE, Unger RH, Faloona GR, Daniel RR *Isr J Med Sci* 11: 617-22, Jun 75 (Eng)

Danielewicz-Kotowicz A

[ELECTRON MICROSCOPIC CHANGES IN RAT HYPOPHYSIS FOLLOWING ADRENALECTOMY AND ACTH ADMINISTRATION. II. NEURONAL LOBE OF THE

HYPOPHYSIS] Danielewicz-Kotowicz A *Neuropatol Pol* 13: 49-59, Jan-Mar 75 (Pol)

ADRENAL GLANDS (physiology); ADRENALECTOMY; ANIMAL EXPERIMENTS; CORTICOTROPIN (pharmacodynamics); ENGLISH ABSTRACT; MALE; MICROSCOPY, ELECTRON; NEUROSECRETION (drug effects); PITUITARY GLAND (ultrastructure); RATS; TIME FACTORS.

Daniels JR

BASEMENT MEMBRANE COLLAGEN OF RENAL GLOMERULUS. Daniels JR, Chu GH *J Biol Chem* 250: 3531-7, 10 May 75 (Eng)
AMINO ACIDS (analysis); ANIMAL EXPERIMENTS; BASEMENT MEMBRANE (analysis); CARBOHYDRATES (analysis); CATTLE; CHROMATOGRAPHY; COLLAGEN (analysis, isolation & purification); ELECTROPHORESIS, POLYACRYLAMIDE GEL; KIDNEY GLOMERULUS (analysis); MALE; MERCAPTOETHANOL; MOLECULAR WEIGHT; PEP SIN; PEPTIDE FRAGMENTS (analysis); SULFHYDRYL COMPOUNDS (analysis); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Danowski TS

I. ARTHUR MIRSKY. 1907-1974. Danowski TS, Hofmann K *Diabetes* 24: 776-8, Aug 75 (Eng)
CURRENT BIOG-OBIT; DIABETES MELLITUS; HISTORICAL ARTICLE; HISTORY OF MEDICINE, 20TH CENT.; METABOLISM; PEPTIC ULCER; UNITED STATES.

Daroqa JC

[CARDIOVASCULAR COMPLICATIONS OF HYPEROSMOLAR DIABETIC COMA. STUDY OF 4 CASES] Ramon JS, Daroqa JC, Perez JF, Frances JM, Gorina AB *Rev Clin Esp* 137: 521-6, 30 Jun 75 (Spa)

Dashev G

[AN ACUTE DIABETIC SYNDROME INDUCED IN RATS BY ANTI-INSULIN SERUM AS AN EXPERIMENTAL MODEL FOR THE STUDY OF SEVERAL ANTIDIABETIC AGENTS] Andreev D, Strashimirov D, Ditsov S, Dashev G *Exp Med Morfol* 13: 95-101, 1974 (Bul)

Daughaday H

RADIORECEPTOR-INACTIVE GROWTH HORMONE ASSOCIATED WITH STIMULATED SECRETION IN NORMAL SUBJECTS. Sneed DS, Jacobs LS, Weldon VV, Trivedi BL, Daughaday H *J Clin Endocrinol Metab* 41: 471-4, Sep 75 (Eng)

Daughaday WH

MARKED HYPERTHERMIA AS A MANIFESTATION OF HYPOGLYCEMIA IN LONG-STANDING DIABETES MELLITUS. Chochinov R, Daughaday WH *Diabetes* 24: 859-60, Sep 75 (Eng)

Davis AT

INTERACTION OF STAPHYLOCOCCUS AUREUS WITH HUMAN POLYMORPHONUCLEAR LEUKOCYTES. Quie PG, Davis AT *Contrib Microbiol Immunol* 1: 195-201, 1973 (Eng)

Dawber TR

CHANGES ASSOCIATED WITH QUITTING CIGARETTE SMOKING: THE FRAMINGHAM STUDY. Gordon T, Kannel WB, Dawber TR, McGee D *Am Heart J* 90: 322-8, Sep 75 (Eng)

Dazzi E

[VITAMIN A AND BIOLOGICAL MEMBRANES. IV. CHANGES INDUCED BY A VITAMIN A DEFICIENT DIET IN THE FATTY ACID COMPOSITION OF THE STROMA OF ALBINO

Diabetes Literature—Author Index

de Bruijn WC

RAT ERYTHROCYTES] Carhini L, Dazzi E, Padalino A *Acta Vitaminol Enzymol (Milano)* 28: 199-202, 1974 (Ita)

de Bruijn WC

SCANNING ELECTRON MICROSCOPIC OBSERVATIONS OF ENDOTHELIAL CHANGES IN EXPERIMENTALLY INDUCED ATHEROMATOSIS OF RABBIT AORTAS, de Bruijn WC, van Mourik W *Virchows Arch [Pathol Anat]* 365: 23-40, 1975 (Eng)

ANIMAL EXPERIMENTS; AORTIC DISEASES (pathology); ARTERIOSCLEROSIS (pathology); CHOLESTEROL (analysis); DIET; ATHEROGENIC; ENDOTHELIUM (pathology); FEMALE; FIBRIN (analysis); HISTOCYTOCHEMISTRY; MICROSCOPY, ELECTRON, SCANNING; RABBITS; TIME FACTORS.

de Cacqueray C

[RENAL VEIN THROMBOSIS IN THE NEWBORN INFANT. Demarquez JL, Tavernier J, Babin JP, de Cacqueray C, Auzerie J, Allain D, Martin C *Arch Fr Pediatr* 32: 381-92, Apr 75 (Fre)

de Jong L

RELATION BETWEEN REDUCED NICOTINAMIDE ADENINE DINUCLEOTIDE OXIDATION AND AMINO ACID TRANSPORT IN MEMBRANE VESICLES FROM BACILLUS SUBTILIS. Bisschop A, de Jong L, Lima Costa ME, Konings WN *J Bacteriol* 121: 807-13, Mar 75 (Eng)

de Lacerda L

CIRCADIAN VARIATION OF INTEGRATED CONCENTRATION OF GROWTH HORMONE IN CHILDREN AND ADULTS. Plotnick LP, Thompson RG, Kowarski A, de Lacerda L, Migeon CJ, Blizard RM *Nature* 253: 240-7, 13 Feb 75 (Eng)

De Palo C

THE EFFECT OF MUSCULAR EXERCISE ON FREE FATTY ACIDS, ACETOACETATE AND 3-HYDROXYBUTYRATE BLOOD LEVELS. Boninsegna A, Federspil G, De Palo C *Horm Metab Res* 6: 488-91, Nov 74 (Eng)

De Paoli A

AGE-DEPENDENT CHANGES IN THE SENSITIVITY OF THE RAT TO A DIABETOGENIC AGENT (STREPTOZOTOCIN). Masiello P, De Paoli A, Bergamini E *Endocrinology* 96: 787-9, Mar 75 (Eng)

De Sousa JT

ACTION OF THE ADENOSINE TRIPHOSPHATE ANALOG, ADENYLYL IMIDODIPHOSPHATE IN MITOCHONDRIA. Melnick RL, De Sousa JT, Maguire J, Packer L *Arch Biochem Biophys* 166: 139-44, Jan 75 (Eng)

De Troyer A

LETTER: CHLORPROPAMIDE POISONING AND DIABETES INSIPIDUS. De Troyer A, Ectors M, Hubert JP *Lancet* 2: 514, 13 Sep 75 (Eng)

ADULT; CASE REPORT; CHLORPROPAMIDE (poisoning); DIABETES INSIPIDUS (chemically induced); FEMALE; HUMAN.

de Vega F

ACUTE RENAL INSUFFICIENCY IN THE RABBIT BY GLYCEROL. Gras J, Tuset N, de Vega F, Cisar F, Navarro J, del Valle O *Rev Esp Fisiol* 31: 1-3, Mar 75 (Eng)

De Vries O

EFFECT OF WEIGHT REDUCTION ON INSULIN RESPONSIVENESS AND TRIGLYCERIDE LEVELS IN PATIENTS

WITH ENDOGENOUS HYPERTRIGLYCERIDAEMIA. De Vries O, Sluiter WJ, Reitsma WD, Doorenbos H *Neth J Med* 17: 212-19, 1974 (Eng)

ADULT; AGED; BODY WEIGHT; COMPARATIVE STUDY; DIET, REDUCING; FATTY ACIDS, NONESTERIFIED (blood); FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; HYPERLIPIDEMIA, ESSENTIAL FAMILIAL (diet therapy); INSULIN RESISTANCE; MALE; MIDDLE AGE; TRIGLYCERIDES (blood); UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.

MUSCULAR CAPILLARY BASEMENT MEMBRANE HYPERTROPHY IN HYPERLIPIDEMIA TYPE IV: A REVERSIBLE CONSEQUENCE OF A METABOLIC DISORDER. De Vries O, Vos J, Reitsma WD, Doorenbos H, Molenaar I *Neth J Med* 17: 220-6, 1974 (Eng)

ADULT; AGED; BASEMENT MEMBRANE (ultrastructure); CAPILLARIES (ultrastructure); COMPARATIVE STUDY; DIABETIC ANGIOPATHIES (pathology); FEMALE; HUMAN; HYPERLIPIDEMIA, ESSENTIAL FAMILIAL (complications); HYPERTROPHY; MALE; MIDDLE AGE; MUSCLES (blood supply); TRIGLYCERIDES (blood); UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.

De Vries W

AMINO ACID TRANSPORT IN MEMBRANE VESICLES OF OBLIGATELY ANAEROBIC VIBRIONELLA ALCALESCENS. Konings WN, Boonstra J, De Vries W *J Bacteriol* 122: 245-9, Apr 75 (Eng)

Debyr G

CONTROL OF DIABETIC PATIENTS: COMPARISON OF INFORMATION OBTAINED FROM FASTING BLOOD SUGAR LEVEL AND THE GLYCEMIC CYCLE. Mejean L, Drouin P, Martin JM, Debyr G *Acta Diabetol Lat* 11: 340-6, Jul-Aug 74 (Eng)

DeFrancesco L

CONDITIONALLY LETHAL MUTATIONS IN CHINESE HAMSTER CELLS. CHARACTERIZATION OF A CELL LINE WITH A POSSIBLE DEFECT IN THE KREBS CYCLE. DeFrancesco L, Wernitz D, Scheffler IE *J Cell Physiol* 85: 293-305, Apr 75 (Eng)

ACETATES (metabolism); ANTIMYCIN A (pharmacodynamics); ASPARAGINE (metabolism); ASPARTIC ACID (metabolism); BUTYRATES (metabolism); CARBON DIOXIDE (biosynthesis); CELL LINE; COMPARATIVE STUDY; CYANIDES (pharmacodynamics); GLUTAMATES (metabolism); KETOGLUTARIC ACIDS (metabolism); KREBS CYCLE; MICROSCOPY, ELECTRON; MITOCHONDRIA (ultrastructure); MUTATION; OXYGEN CONSUMPTION; PALMITIC ACIDS (metabolism); PYRUVATES (metabolism); SUCCINATES (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

De-Vries A

[LOSS OF CONSCIOUSNESS IN A DIABETIC PATIENT] Shakrai M, Pinchas I, De-Vries A *Harefuah* 88: 536, 1 Jun 75 (Heb)

del Greco F

MAINTENANCE DIALYSIS FOR DIABETIC NEPHROPATHY WITH UREMIA. Huang C, del Greco F, Ivanovich P, Krumlovsky FA, Roguska J, Simon NM, Hano J *J Chronic Dis* 28: 365-74, Aug 75 (Eng)

del Greco V

[ENCEPHALOPATHY DUE TO PROTRACTED HYPOGLYCEMIC COMA DURING LOW-DOSE INSULIN THERAPY] Cecchini S, del Greco V *Riv Neurobiol* 18: 55-64, Jan-Mar 72 (Ita)

del Guercio MJ

EFFECT OF PHYSICAL EXERCISE ON SECRETION OF GROWTH HORMONE, GLUCAGON, AND CORTISOL IN OBSE AND DIABETIC CHILDREN. Garlaschi C, di Natale B, del Guercio MJ, Caccamo A, Gargantini L, Chiumello G *Diabetes* 24: 758-61, Aug 75 (Eng)

del Valle O

ACUTE RENAL INSUFFICIENCY IN THE RABBIT BY GLYCEROL. Gras J, Tuset N, de Vega F, Cisar F, Navarro J, del Valle O *Rev Esp Fisiol* 31: 1-3, Mar 75 (Eng)

Delaage MA

RAPID ASSAYS FOR ADENYLATE CYCLASE AND 3,5 CYCLIC AMP PHOSPHODIESTERASE ACTIVITIES. SIMULTANEOUS MEASUREMENTS OF OTHER PATHWAYS OF ATP CATABOLISM. Delaage MA, Bellon BN, Cailla HL *Anal Biochem* 62: 417-25, Dec 74 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE; ADENOSINE TRIPHOSPHATE (metabolism); ADENYL CYCLASE (analysis, metabolism); ANIMAL EXPERIMENTS; CATTLE; CELLULOSE; COMPARATIVE STUDY; ELECTROPHORESIS; FLUORESCENCE; KINETICS; METHODS; PANCREAS (enzymology); PHOSPHODIESTERASES (analysis); RATS.

DeLamater PV

THE EFFECT OF ORAL ALANINE ON BLOOD GLUCOSE AND GLUCAGON IN THE HUMAN NEWBORN INFANT. Fiser RH, Williams PR, Fisher DA, DeLamater PV, Sperling MA, Oh W *Pediatrics* 56: 78-81, Jul 75 (Eng)

Delaney TJ

EFFECT OF FIBRINOLYTIC TREATMENT IN MALIGNANT ATROPHIC PAPULOSIS. Delaney TJ, Black MM *Br Med J* 3: 415, 16 Aug 75 (Eng)

ADULT; CASE REPORT; ETHYLESTRENOL (therapeutic use); FEMALE; FIBRINOLYTIC AGENTS (therapeutic use); GASTROINTESTINAL SYSTEM (blood supply); HUMAN; INFARCTION; PHENFORMIN (therapeutic use); SKIN DISEASES (drug therapy); SKIN (blood supply).

Delerue-Le Belle N

[EXISTENCE OF A PROTEIN KINASE ACTIVITY WHICH MAYBE STIMULATED BY 3,5-CYCLIC ADENOSINE MONOPHOSPHATE IN ADIPOSE TISSUE OF A TELEOSTEUS FISH, THE TROUT (SALMO GAIRDNERII R.)] Fontaine-Bertrand E, Delerue-Le Belle N, Fontaine YA *Biochimie* 56: 1123-8, 1974 (Fre)

Dell RB

HUMAN ADIPOCYTE CHOLESTEROL CONCENTRATION, LOCALIZATION, SYNTHESIS, AND TURNOVER. Schreibman PH, Dell RB *J Clin Invest* 55: 986-93, May 75 (Eng)

Dellanna A

CLINICAL EXPERIENCES ON THERAPEUTIC MEASURES OF OBESITY. Strata A, Zuliani U, Cucurachi L, Dellanna A *G Clin Med* 55: 718-31, Oct 74 (Eng)

Demarne Y

[INFLUENCE OF THE SUPPLEMENTATION OF RATION WITH CONJUGATED BILIARY SALTS ON THE EQUIPMENT AND BILIARY ACIDS OF THE SMALL INTESTINE IN THE RAT. MODIFICATIONS OF THE APPARENT ABSORPTION OF FATTY ACIDS] Demarne Y, Sacquet E, Van Heijenoort Y, Mathis C *Ann Biol Anim Biochim Biophys* 14: 239-50, 1974 (Fre)

ANIMAL EXPERIMENTS; ANIMAL FEED; BILE ACIDS AND SALTS (pharmacodynamics, metabolism); DIET; ENGLISH ABSTRACT;

FATTY ACIDS (metabolism); FECEs (analysis);
INTESTINAL ABSORPTION (drug effects);
INTESTINE, SMALL (metabolism); RATS.

Demarquez JL

[RENAL VEIN THROMBOSIS IN THE NEW-
BORN INFANT. Demarquez JL, Tavernier J,
Babin JP, de Caqueray C, Auzeir J, Allain D,
Martin C *Arch Fr Pediatr* 32: 381-92, Apr 75
(Fre)]

FEMALE; HEPARIN (therapeutic use); HUMAN;
INFANT, NEWBORN; INFANT, NEWBORN;
DISEASES (diagnosis, drug therapy); LABOR
COMPLICATIONS; MALE; PREGNANCY IN
DIABETES (complications); PREGNANCY;
RENAL VEINS; THROMBOSIS (diagnosis, drug
therapy, etiology); UREA (blood); UROKINASE
(therapeutic use).

Denys FR

COMPARISON OF THE CAPILLARY BASAL
LAMINA WIDTH IN MARGINAL GINGIVA
OF DIABETIC AND NON-DIABETIC PA-
TIENTS. Ketcham B, Cobb CM, Denys FR *Ala J
Med Sci* 12: 295-301, Jul 75 (Eng)

Desai K

REGULATION, BY INSULIN, OF LIPOPROTEIN
LIPASE AND PHOSPHODIESTERASE AC-
TIVITIES IN RAT ADIPOSE TISSUE. Desai K,
Hollenberg CH *Isr J Med Sci* 11: 540-50, Jun 75
(Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE
(metabolism); ADIPOSE TISSUE (enzymology);
ANIMAL; CALCIUM (pharmacodynamics);
CATECHOLAMINES (pharmacodynamics);
CELL MEMBRANE (metabolism);
COMPARATIVE STUDY; CYCLOHEXIMIDE
(pharmacodynamics); FASTING; FATTY ACIDS,
NONESTERIFIED (metabolism); GLUCOSE
(physiology); IN VITRO; INSULIN (physiology,
pharmacodynamics); LIPID MOBILIZATION;
LIPOPROTEIN LIPASE (metabolism);
PHOSPHODIESTERASES (metabolism);
PROTEINS (biosynthesis); RATS;
TRIGLYCERIDES (metabolism); 3,5-CYCLIC
AMP PHOSPHODIESTERASE (metabolism).

Despres S

[HISTOCYTOSIS-X, HISTOCHEMICAL AND
AUTORADIOGRAPHIC ELEMENTS PROV-
ING LIPID SYNTHESIS IN IN VITRO CUL-
TURE] Nezelof C, Despres S, Barbey S, Rous-
seau MF *Biomedicine* 20: 414-24, Nov 74 (Fre)

Detroyer A

LETTER: SMALL INTRAVENOUS INSULIN BO-
LUSES IN THE TREATMENT OF DIABETIC
COMA. Clumeck N, Detroyer A, Naeije R, Ec-
tors M, Balasse EO *Lancet* 2: 416, 30 Aug 75
(Eng)

Deutman AF

GENETICS AND RETINAL DETACHMENT.
Deutman AF *Mod Probl Ophthalmol* 15: 22-33,
1975 (Eng)

ANEMIA, SICKLE CELL (complications);
ARACHNODACTYL (complications); CLEFT
PALATE (complications); DIABETIC
RETINOPATHY (complications); EHLERS-
DANLOS SYNDROME (complications); EYE
DISEASES (complications); EYE (abnormalities);
HOMOCYSTINURIA (complications); HUMAN;
MYOPIA (complications); RETINAL
DEGENERATION (complications); RETINAL
DETACHMENT (familial & genetic, classification,
congenital); RETINAL DISEASES
(complications); VITREOUS BODY.

Devaraj KT

DEPRESSED ENDOGENOUS FIBRINOLYTIC
ACTIVITY IN ESSENTIAL HYPERTENSION.
Tsapogas MJ, Peabody RA, Wu KT, Devaraj KT,
Eckert C *J Cardiovasc Surg (Torino)* 15: 651-4,
Nov-Dec 74 (Eng)

Devaux PF

INTERACTION BETWEEN SPIN-LABELED
ACYL-COENZYME A AND THE MITOCHON-
DRIAL ADENOSINE DIPHOSPHATE CARRI-
ER. Devaux PF, Bienvenue A, Lauquin G, Bris-
son AD, Vignais PM, Vignais PV *Biochemistry*
14: 1272-80, 25 Mar 75 (Eng)

ADENOSINE DIPHOSPHATE (metabolism);
ANIMAL EXPERIMENTS; ATRACTYLOSIDE;
BINDING, COMPETITIVE; COENZYME A
(metabolism); CYCLIC N-OXIDES; FATTY
ACIDS (metabolism); MITOCHONDRIA, LIVER
(metabolism); MITOCHONDRIA, MUSCLE
(metabolism); MYOCARDIUM (metabolism);
PALMITIC ACIDS; PIGEONS; RATS; SPIN
LABELS; STEARIC ACIDS; STRUCTURE-
ACTIVITY RELATIONSHIP.

Dewilde J

AN UNUSUAL BETA-CELL ADENOMA. Dewilde
J, Baillargeon J, Daloz P, Rasio E *Can Med
Assoc J* 113: 413-6, 6 Sep 75 (Eng)
CASE REPORT; HUMAN; HYPOGLYCEMIA
(etiology, diagnosis); ISLET CELL TUMOR
(complications, diagnosis); MALE; MIDDLE
AGE; PANCREATIC NEOPLASMS
(complications, diagnosis).

di Natale B

EFFECT OF PHYSICAL EXERCISE ON SECRE-
TION OF GROWTH HORMONE, GLU-
CAGON, AND CORTISOL IN OBESE AND
DIABETIC CHILDREN. Garlaschi C, di Natale
B, del Guercio MJ, Caccamo A, Gargantini L,
Chiumello G *Diabetes* 24: 758-61, Aug 75 (Eng)

Diamond I

EXTRACTION OF D-BETA-HYDROXYBU-
TYRATE BY BRAIN IN DIABETIC RATS.
Openshaw H, Diamond I *Arch Neurol* 32: 640-1,
Sep 75 (Eng)

Dianovska M

ULTRASTRUCTURE OF THE MOUSE PAN-
CREAS AFTER AUROTHIOGLUCOSE AD-
MINISTRATION. Simkova D, Belak M, Boda K,
Kosta K, Dianovska M *Acta Biol Acad Sci Hung*
25: 205-12, 1974 (Eng)

Dicke BA

CHOLESTEROL BALANCE IN ATHEROS-
CLEROSIS-SUSCEPTIBLE ATHEROSCLERO-
SIS-RESISTANT PIGEONS. Siekert RG, Dicke
BA, Subbiah MT, Kottke BA *Res Commun Chem
Pathol Pharmacol* 10: 181-4, Jan 75 (Eng)

Didier JP

[INFLUENCE OF ADDITION OF THE FREE
FATTY ACIDS TO THE PERFUSATE ON THE
FUNCTION OF ISOLATED RAT HEART] Didier
JP, Klepping J, Boucrot P, Moreau D, Noirot
P, Bastien H *C R Soc Biol (Paris)* 168: 504-9,
1974 (Fre)

ANIMAL EXPERIMENTS; BLOOD PRESSURE
(drug effects); CARDIAC OUTPUT (drug
effects); ENGLISH ABSTRACT; FATTY ACIDS,
NONESTERIFIED (pharmacodynamics, isolation
& purification); HEART RATE (drug effects);
HEART (drug effects); MALE; MYOCARDIUM
(metabolism); OXYGEN CONSUMPTION;
PERFUSION; RATS.

Dieterle P

[COMPLICATIONS AND SECONDARY DIS-
EASES IN DIABETES MELLITUS] Dieterle P
Med Welt 26: 1577-81, 5 Sep 75 (Ger)
ADOLESCENCE; ADULT; CHILD; DIABETES
MELLITUS (complications); DIABETIC
ANGIOPATHIES; DIABETIC
NEPHROPATHIES; DIABETIC
NEUROPATHIES; DIABETIC RETINOPATHY;
FEMALE; HUMAN; LIVER DISEASES
(etiology); MALE; MIDDLE AGE.

Dietze G

[METABOLISM OF THE SPLANCHNIC RE-
GION AS INFLUENCED BY FRUCTOSE]
Dietze G, Wicklmayr M, Hepp KD, Grunst J,
Stiegler G, Mehnert H *Infusionstherapie* 1: 525-
5, Oct 74 (Ger)

ENGLISH ABSTRACT; FRUCTOSE
(pharmacodynamics, metabolism);
GLUCONEOGENESIS; GLUCOSE
(biosynthesis); GLYCOGEN (metabolism);
HUMAN; INSULIN (secretion); LACTATES
(biosynthesis); LIVER CIRCULATION; LIVER
(metabolism); SPLANCHNIC NERVES (drug
effects, metabolism).

[THE METABOLISM OF THE SPLANCHNIC
REGION UNDER THE INFLUENCE OF FRUC-
TOSE] Dietze G, Wicklmayr M, Hepp KD,
Grunst J, Stiegler G, Mehnert H *Infu-
sionstherapie* 1: 552-5, Oct 74 (Ger)

BLOOD SUGAR (analysis); ENGLISH
ABSTRACT; FRUCTOSE (pharmacodynamics,
metabolism, administration & dosage);
GLUCONEOGENESIS; GLUCOSE
(biosynthesis); HUMAN; INSULIN (blood);
LACTATES (biosynthesis); LIVER (metabolism,
blood supply); PARENTERAL FEEDING;
PYRUVATES (biosynthesis).

[TWENTY YEARS OF ORAL DIABETIC
THERAPY (AUTHORS TRANSL.) Mehnert H,
Dietze G, Haslbeck *Munch Med Wochenschr*
117: 1221-8, 18 Jul 75 (Ger)]

Dietzler DN

EVIDENCE FOR THE ALLOSTERIC REGULA-
TION OF GLYCOGEN SYNTHESIS IN THE
INTACT ESCHERICHIA COLI CELL.
AGREEMENT OF THE VALUES OF THE
PARAMETERS OF THE HILL EQUATION
FITTED TO DATA FOR GLYCOGEN
SYNTHESIS IN VIVO WITH THE AVAILABLE
VALUES OBTAINED IN VITRO WITH
ADENOSINE DIPHOSPHOGLUCOSE
SYNTHETASE. Dietzler DN, Leckie MP, Lais
CJ, Magnani JL *J Biol Chem* 250: 2383-7, 25
Mar 75 (Eng)

ADENOSINE DIPHOSPHATE (metabolism);
ADENOSINE MONOPHOSPHATE (metabolism);
ADENOSINE TRIPHOSPHATE (metabolism);
ADENYL CYCLASE (metabolism);
ALLOSTERIC REGULATION; ENERGY
METABOLISM; ESCHERICHIA COLI
(metabolism); FRUCTOSEPHOSPHATES
(metabolism); GLUCOSEPHOSPHATES
(metabolism); GLYCOGEN (biosynthesis);
NUCLEOTIDYL TRANSFERASES (metabolism);
UNITED STATES GOVERNMENT
SUPPORTED, N.I.H..

Dilley WG

IN VITRO STIMULATION OF HUMAN BREAST
TISSUE BY HUMAN PROLACTIN. Dilley WG,
Kister SJ *J Natl Cancer Inst* 55: 35-6, Jul 75
(Eng)

BREAST (drug effects, cytology); FEMALE;
HUMAN; INSULIN (pharmacodynamics);
MITOSIS (drug effects); ORGAN CULTURE;
PROLACTIN (pharmacodynamics); SHEEP;
SPECIES SPECIFICITY; STIMULATION,
CHEMICAL; UNITED STATES GOVERNMENT
SUPPORTED, N.I.H..

DiNicola AF

LETTER: THE ENDOGENOUS CATABOLIC
TRAUMATIC TRIAD SYNDROME. DiNicola
AF *NZ Med J* 82: 27-8, 9 Jul 75 (Eng)
DIABETES MELLITUS (drug therapy);
GLUCAGON (blood); HUMAN;
HYPERTHYROIDISM (drug therapy);
METABOLIC DISEASES (drug therapy);
SOMATOTROPIN RELEASE INHIBITING
HORMONE (therapeutic use); SYNDROME.

Diabetes Literature—Author Index

Ditsov S

Ditsov S

[AN ACUTE DIABETIC SYNDROME INDUCED IN RATS BY ANTI-INSULIN SERUM AS AN EXPERIMENTAL MODEL FOR THE STUDY OF SEVERAL ANTIDIABETIC AGENTS] Andreev D, Strashimirov D, Ditsov S, Dashev G *Eksp Med Morfol* 13: 95-101, 1974 (Bul)

Dixon E Jr

KINETIC STUDIES ON THE ERYTHROCYTE HEXOKINASE OF THE DOMESTIC PIG, *SUS SCROFA*. Dixon E Jr *Comp Biochem Physiol* [B] 50: 61-4, 15 Jan 75 (Eng)

AGING; ANIMAL EXPERIMENTS; DIPHOSPHOGLYCERIC ACIDS (pharmacodynamics); ERYTHROCYTES (enzymology, drug effects); GEL FILTRATION; HEXOKINASE (blood); KINETICS; MAGNESIUM (pharmacodynamics); SWINE (blood); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

Djuricic BM

REGIONAL DISTRIBUTION OF ADENINE NUCLEOTIDES, GLYCOGEN, GLUCOSE AND LACTATE IN THE ADULT RAT BRAIN. Zivkoic RV, Mrlusja BB, Djuricic BM *Experientia* 31: 404-6, 15 Apr 75 (Eng)

Doeg KA

CHARACTERIZATION OF THE PHOSPHOENOLPYRUVATE INHIBITION OF MITOCHONDRIAL PROTEIN SYNTHESIS. McCoy GD, Doeg KA *J Biol Chem* 250: 3510-4, 10 May 75 (Eng)

Doellgast GJ

PURIFICATION OF HUMAN PLACENTAL ALKALINE PHOSPHATASE. SALT EFFECTS IN AFFINITY CHROMATOGRAPHY. Doellgast GJ, Fishman WH *Biochem J* 141: 103-12, Jul 74 (Eng)

ALKALINE PHOSPHATASE (isolation & purification); AMINO BENZOIC ACIDS; AMMONIUM SULFATE; ANILINE COMPOUNDS; CHROMATOGRAPHY, AFFINITY; CHROMATOGRAPHY, ION EXCHANGE; ELECTROPHORESIS, DISC; ELECTROPHORESIS, POLYACRYLAMIDE GEL; GEL DIFFUSION TESTS; GLYCINE; HUMAN; LEUCINE; PHENYLALANINE; PLACENTA (enzymology); SODIUM DODECYL SULFATE.

Doi K

[STUDIES ON THE MECHANISM OF THE DIABETOGENIC ACTIVITY OF STREPTOZOTOCIN AND ON THE ABILITY OF COMPOUNDS TO BLOCK THE DIABETOGENIC ACTIVITY OF STREPTOZOTOCIN (AUTHORS TRANSL)] Doi K *Folia Endocrinol Jpn* 51: 129-47, 20 Mar 75 (Jpn)

AMIDES (pharmacodynamics); ANIMAL; BLOOD SUGAR (metabolism); CATS; CYSTINE (pharmacodynamics); DEOXYGLUCOSE (pharmacodynamics); DIABETES MELLITUS (chemically induced, pathology, metabolism); DIMETHYLNITROSAMINE; ENGLISH ABSTRACT; FATTY ACIDS, NONESTERIFIED (blood); GLUTATHIONE (pharmacodynamics); GUINEA PIGS; INSULIN (blood); ISLANDS OF LANGERHANS (pathology); ISLET CELL TUMOR (chemically induced, pathology); MALE; MANNOHEPTULOSE (pharmacodynamics); MICE; NICOTINAMIDE (pharmacodynamics, analogs & derivatives); NICOTINIC ACIDS (pharmacodynamics); NAD (pharmacodynamics); PANCREATIC NEOPLASMS (chemically induced, pathology); PICOLINIC ACIDS (pharmacodynamics); PYRAZINAMIDE (pharmacodynamics); RABBITS; RATS; STREPTOZOTOCIN (antagonists & inhibitors); TOLBUTAMIDE (pharmacodynamics); URIC ACID (analogs & derivatives).

Dolger H

FACTITIAL PANNICULITIS AND NECROTIZING FASCIITIS IN JUVENILE DIABETES. Oh C, Ginsberg-Fellner F, Dolger H *Diabetes* 24: 856-8, Sep 75 (Eng)

Donnadieu M

THE EFFECTS OF HIGH TREATMENT ON SOMATOMEDIN LEVELS IN THE SERUM (AS DETERMINED BY 35-S UPTAKE INTO CARTILAGE). Schimpff RM, Donnadieu M, Gourmelen M, Girard F *Horm Metab Res* 6: 494-8, Nov 74 (Eng)

Donner A

PLASMA LIPIDS AND LIPOPROTEINS IN VEGETARIANS AND CONTROLS. Sacks FM, Castelli WP, Donner A, Kass EH *N Engl J Med* 292: 1148-51, 29 May 75 (Eng)

Doorenbos H

EFFECT OF WEIGHT REDUCTION ON INSULIN RESPONSIVENESS AND TRIGLYCERIDE LEVELS IN PATIENTS WITH ENDOGENOUS HYPERTRIGLYCERIDAEMIA. De Vries O, Sluiter WJ, Reitsma WD, Doorenbos H *Neth J Med* 17: 212-19, 1974 (Eng)

MUSCULAR CAPILLARY BASEMENT MEMBRANE HYPERTROPHY IN HYPERLIPIDEMIA TYPE IV: A REVERSIBLE CONSEQUENCE OF A METABOLIC DISORDER. De Vries O, Vos J, Reitsma WD, Doorenbos H, Molenaar I *Neth J Med* 17: 220-6, 1974 (Eng)

INSULIN ANTIBODY FORMATION DURING LONG-TERM TREATMENT WITH MONOCOMPONENT AND MONOSPECIES INSULIN. Piers DA, Sluiter WJ, Reitsma WD, Doorenbos H *Neth J Med* 17: 234-8, 1974 (Eng)

Dorfler H

[LIPOATROPHIC DIABETES. REPORT OF A CASE (AUTHORS TRANSL)] Zollner N, Dorfler H, Wolfram G *Munch Med Wochenschr* 117: 1209-14, 18 Jul 75 (Ger)

Dornhorst A

METABOLIC RHYTHMS IN NORMAL AND DIABETIC MAN. STUDIES IN INSULIN-TREATED DIABETES. Alberti KG, Dornhorst A, Rowe AS *Isr J Med Sci* 11: 571-80, Jun 75 (Eng)

Douvas NG

MICROSURGICAL ROTO-EXTRACTOR INSTRUMENT FOR VITRECTOMY. Douvas NG *Mod Probl Ophthalmol* 15: 253-60, 1975 (Eng)

CATARACT EXTRACTION (instrumentation); DIABETES MELLITUS (complications); FIBER OPTICS (instrumentation); HUMAN; IRIS (surgery); MICROSURGERY (instrumentation); OPHTHALMOLOGY (instrumentation); ROTATION; SURGICAL INSTRUMENTS; UVEAL DISEASES (surgery); VITREOUS BODY (surgery).

Downes GL

OXIDATION OF 14C-LABELED SUBSTRATES BY DOG KIDNEY CORTEX AT 10 AND 38 DEGREES C. Huang JS, Downes GL, Childress GL, Felts JM, Belzer FO *Cryobiology* 11: 387-94, Oct 74 (Eng)

Dozorets IuL

[INDICATORS OF THE CONDITION OF CONNECTIVE TISSUE AND THE ACTIVITY OF THE PENTOSE CYCLE OF GLUCOSE METABOLISM IN PATIENTS WITH DIABETES MELLITUS] Dozorets IuL, Okorokov AN, Bobkov VJa, Rabin M *Sov Med* 57-60, Jun 75 (Rus)

ADOLESCENCE; ADULT; CONNECTIVE TISSUE (metabolism); DIABETES MELLITUS (metabolism); DIABETES MELLITUS,

JUVENILE (metabolism); ENGLISH ABSTRACT; GLUCOSE (metabolism); GLYCOSAMINOGLYCANS (blood); HUMAN; PENTOSE (metabolism).

Draf W

[TO THE DIFFERENTIAL DIAGNOSIS OF CRANIAL NERVE LESIONS: THE PROGRESSIVE NECROTIZING EXTERNAL OTITIS (AUTHORS TRANSL)] Draf W, Regli F *J Neurol* 210: 219-26, 22 Sep 75 (Ger)

AGED; CRANIAL NERVES; DIABETES MELLITUS (complications); DIABETIC NEUROPATHIES (complications); ENGLISH ABSTRACT; FACIAL NERVE; GRANULOMA; HUMAN; MALE; MENINGOENCEPHALITIS (complications); NECROSIS; OSTEOMYELITIS (complications); OTITIS EXTERNA (complications, diagnosis, etiology); PERIPHERAL NERVE DISEASES (complications); PSEUDOMONAS AERUGINOSA; PSEUDOMONAS INFECTIONS (complications); SKULL; TRIGEMINAL NERVE.

Drabota Z

METABOLIC ACTIVITY OF BROWN ADIPOSE TISSUE DURING DEVELOPMENT. Kunes J, Vizek K, Drabota Z *Physiol Bohemoslov* 21: 609-14, 1972 (Eng)

Drash AL

HYPOGLYCEMIA IN HYPOPHYSECTOMIZED CHILDREN. Hopwood NJ, Forsman PJ, Kenny FM, Drash AL *Am J Dis Child* 129: 918-26, Aug 75 (Eng)

Draskoczy SP

AORTO-CORONARY BYPASS IN THE DIABETIC PATIENT. Draskoczy SP, Leland OS, Bradley RF *Kidney Int [Suppl]* 37-40, Oct 74 (Eng)

ADULT; AGED; AORTOCORONARY BYPASS; CORONARY DISEASE (surgery, mortality); DIABETIC ANGIOPATHIES (surgery, complications, mortality); ENDARTERECTOMY; FEMALE; FOLLOW-UP STUDIES; HUMAN; MALE; MIDDLE AGE; POSTOPERATIVE COMPLICATIONS; TRANSPLANTATION, AUTOLOGOUS.

Dresse A

CATECHOLAMINES AND EXERCISE-INDUCED GLUCAGON AND FATTY ACID MOBILIZATION IN THE RAT. Luyckx AS, Dresse A, Cession-Fossion A, Lefebvre PJ *Am J Physiol* 229: 376-83, Aug 75 (Eng)

Dronova NE

[FUNCTIONAL STATE OF THE THYROID GLAND IN ESSENTIAL OBESITY] Dronova NE *Probl Endocrinol (Mosk)* 20: 42-6, May-Jun 74 (Rus)

ADULT; BASAL METABOLISM; BODY WEIGHT; COMPARATIVE STUDY; ENGLISH ABSTRACT; FEMALE; HUMAN; IODINE RADIOISOTOPES; OBESITY (physiopathology, metabolism); PROTEIN-BOUND IODINE TEST; THYROID GLAND FUNCTION TESTS; THYROID GLAND (physiopathology); TRIIODOTHYRONINE (diagnostic use).

Drouin J

INHIBITION OF GROWTH HORMONE AND THYROTROPIN RELEASE BY GROWTH HORMONE-RELEASE INHIBITING HORMONE. Belanger A, Labrie F, Borgeat P, Savary M, Cote J, Drouin J, Schally AV, Coy DH, Coy EJ, Sestanj K, Nelson V, Gotz M, Immer H *Mol Cell Endocrinol* 1: 329-39, Oct 74 (Eng)

Drouin P

CONTROL OF DIABETIC PATIENTS: COMPARISON OF INFORMATION OBTAINED FROM FASTING BLOOD SUGAR LEVEL AND THE GLYCEMIC CYCLE. Mejean L, Drouin P,

Martin JM, Debyr G *Acta Diabetol Lat* 11: 340-6, Jul-Aug 74 (Eng)

Drozdowski JP

KINETICS OF NAPLUS-DEPENDENT AMINO ACID TRANSPORT USING CELLS AND MEMBRANE VESICLES OF A MARINE PSEUDOMONAD. Sprott GD, Drozdowski JP, Martin EL, MacLeod RA *Can J Microbiol* 21: 43-50, Jan 75 (Eng)

Drummond GI

A MODIFIED ASSAY OF 3:5-CYCLOC-AMP PHOSPHODIESTERASE. Boudreau RJ, Drummond GI *Anal Biochem* 63: 388-99, Feb 75 (Eng)

Dubiel JP

[EFFECT OF GLUCAGON ON THE LEFT VENTRICULAR FUNCTION IN PATIENTS WITH CONGESTIVE HEART FAILURE (AUTHORS TRANSL.) Dubiel JS, Pyzik A, Szczeklik J, Dubiel JP, Cibor E *Przegl Lek* 32: 662-8, 1975 (Pol)

Dubiel JS

[EFFECT OF GLUCAGON ON THE LEFT VENTRICULAR FUNCTION IN PATIENTS WITH CONGESTIVE HEART FAILURE (AUTHORS TRANSL.) Dubiel JS, Pyzik A, Szczeklik J, Dubiel JP, Cibor E *Przegl Lek* 32: 662-8, 1975 (Pol)]
ADOLESCENCE; ADULT; ENGLISH ABSTRACT; FEMALE; GLUCAGON (pharmacodynamics); HEART FAILURE, CONGESTIVE (physiopathology); HEART VENTRICLE (drug effects, physiopathology); HEART (drug effects); HEMODYNAMICS (drug effects); HUMAN; MALE; MIDDLE AGE.

Dubyak G

EFFECTS OF SEA NETTLE TOXIN ON GLUCOSE TRANSPORT IN HAMSTER INTESTINE. Watrous J, Dubyak G, Sawula B *Toxicol* 12: 657-8, Dec 74 (Eng)

Dudczak R

[BLOOD GLUCOSE AND IMMUNOREACTIVE INSULIN IN CHILDREN WITH DIABETIC SIBLINGS AND DIABETIC MOTHERS (AUTHORS TRANSL.) Waldhausl W, Rosenkranz A, Dudczak R *Z Kinderheilkd* 120: 59-68, 1 Jul 75 (Ger)

Dupont A

ULTRASTRUCTURAL STUDY OF THE UPTAKE OF PEROXIDASE BY THE RAT MEDIAN EMINENCE. Pelletier G, Dupont A, Puviani R *Cell Tissue Res* 156: 521-32, 1975 (Eng)

Durham BC

MYOCARDIAL METABOLISM DURING PENTOBARBITAL ANESTHESIA IN DOGS. Durham BC, Miller HI *Anesthesiology* 42: 464-70, Apr 75 (Eng)
ANESTHESIA, INTRAVENOUS; ANIMAL EXPERIMENTS; BLOOD PRESSURE (drug effects); BLOOD SUGAR (analysis); CARDIAC OUTPUT (drug effects); COMPARATIVE STUDY; DOGS; ENERGY METABOLISM; FATTY ACIDS, NONESTERIFIED (blood, metabolism); FEMALE; GLUCOSE (metabolism); HEART (drug effects); HEMODYNAMICS (drug effects); LACTATES (blood, metabolism); MALE; MYOCARDIUM (metabolism); OXIDATION-REDUCTION; OXYGEN CONSUMPTION (drug effects); OXYGEN (blood); PENTOBARBITAL (pharmacodynamics); PYRUVATES (metabolism, blood).

Dyke C

PROCEEDINGS: THE EFFECT OF CASEIN AND AMINO ACIDS ON GLUCOSE SYNTHESIS IN SHEEP. Lindsay DB, Dyke C *Proc Nutr Soc* 33: 39a-40a, Sep 74 (Eng)

Dzhordzhevich P

[CARCINOMA OF THE ADRENAL CORTEX] Dzhurin DS, Michin IV, Popovich S, Manoilovich DL, Dzhordzhevich P *Probl Endokrinol (Mosk)* 20: 51-6, May-Jun 74 (Rus)

Dzhurin DS

[CARCINOMA OF THE ADRENAL CORTEX] Dzhurin DS, Michin IV, Popovich S, Manoilovich DL, Dzhordzhevich P *Probl Endokrinol (Mosk)* 20: 51-6, May-Jun 74 (Rus)
ADENOCARCINOMA (complications, surgery, pathology); ADOLESCENCE; ADRENAL CORTEX NEOPLASMS (complications, surgery, pathology); ADRENAL GLAND NEOPLASMS (surgery); ADULT; BLOOD SUGAR (analysis); CHILD; CORTICOTROPIN (diagnostic use); CUSHINGS SYNDROME (etiology); DEXAMETHASONE (diagnostic use); ENGLISH ABSTRACT; FEMALE; HUMAN; METYRAPONE (diagnostic use); NEOPLASM METASTASIS; NEOPLASM RECURRENCE, LOCAL; PUBERTY, PRECOCIOUS (etiology); VIRILISM (etiology); 17-HYDROXYCORTICOSTEROIDS (urine); 17-KETOSTEROIDS (urine).

Dzieniaewska L

[STUDIES UPON THE EFFECT OF AGE AND NUTRITIONAL FACTORS ON LIPID AND PROTEIN METABOLISM IN INFANTS (AUTHORS TRANSL.) Gornicki B, Litwin E, Krukowa A, Kleczkowska H, Rodkiewicz B, Kowalczyk Z, Dzieniaewska L, Wachnik Z, Symonowicz H *Probl Med Wieku Rozwoj* 1: 33-70, 1972 (Pol)]

Dzieniaewska-Klepcka L

[STUDIES ON THE EFFECT OF MODE OF NUTRITION ON SOMATIC DEVELOPMENT OF INFANTS. COMMUNICATION II. DEVELOPMENT OF SUBCUTANEOUS FATTY TISSUE IN INFANTS (AUTHORS TRANSL.) Gornicki B, Dzieniaewska-Klepcka L, Litwin E *Probl Med Wieku Rozwoj* 2: 27-43, 1972 (Pol)]

Dzurik R

RELATIONSHIP BETWEEN FREE FATTY ACIDS AND GLUCOSE UPTAKE BY RAT KIDNEY CORTEX SLICES. Chorvathova V, Ondreicha R, Dzurik R *Physiol Bohemoslov* 21: 629-32, 1972 (Eng)

Ebara Y

[PROCEEDINGS: SECRETION DYNAMICS OF HUMAN PROLACTIN] Ebara Y, Igarashi M, Yen SS *Folia Endocrinol Jpn* 50: 288, 20 Feb 74 (Jpn)
HUMAN; PITUITARY GLAND (secretion); PROLACTIN (secretion).

Eberhardt NL

MALATE DEHYDROGENASE, CIRCULAR DICHROISM DIFFERENCE SPECTRA OF PORCINE HEART MITOCHONDRIAL AND SUPERNATANT ENZYMES, BINARY ENZYME-COENZYME, AND TERNARY ENZYME-COENZYME-SUBSTRATE ANALOG COMPLEXES. Eberhardt NL, Wolfe RG *J Biol Chem* 250: 2987-92, 25 Apr 75 (Eng)
CIRCULAR DICHROISM; CYTOSOL (enzymology); HYDROGEN-ION CONCENTRATION; KINETICS; MALATE DEHYDROGENASE (metabolism); MALATES; MITOCHONDRIA, MUSCLE (enzymology); MOLECULAR CONFORMATION; MOLECULAR WEIGHT; MYOCARDIUM (enzymology); NAD; OXIDATION-REDUCTION; PROTEIN BINDING; PROTEIN CONFORMATION; SPECTROPHOTOMETRY, ULTRAVIOLET; SWINE; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Ebert R

BIPHASIC EFFECT OF 5-GUANYLYLMIDODIPHOSPHATE ON FAT CELL ADENYLATE CYCLASE. Ebert R, Schwabe U *Naunyn Schmiedebergs Arch Pharmacol* 286: 297-313, 1974 (Eng)
ADENOSINE TRIPHOSPHATE (pharmacodynamics); ADENYL CYCLASE (metabolism); ADIPOSE TISSUE (enzymology); ALLOSTERIC REGULATION; AMIDES (pharmacodynamics); ANIMAL EXPERIMENTS; DEPRESSION, CHEMICAL; DRUG SYNERGISM; ENZYME ACTIVATION (drug effects); GUANINE NUCLEOTIDES (pharmacodynamics); GUANOSINE TRIPHOSPHATE (pharmacodynamics); KINETICS; MAGNESIUM (pharmacodynamics); NOREPINEPHRINE (pharmacodynamics); OSMOLAR CONCENTRATION; RATS; STIMULATION, CHEMICAL.

Eckart J

[UTILIZATION OF FAT EMULSIONS IN THE PARENTERAL FEEDING OF MAN] Eckart J *Infusionstherapie* 1: 521-9, Oct 74 (Ger)
COMA (prevention & control); DEFICIENCY DISEASES (prevention & control); DIETARY FATS (administration & dosage); EMULSIONS; ENERGY METABOLISM; ENGLISH ABSTRACT; FATTY ACIDS, ESSENTIAL (metabolism, administration & dosage); HUMAN; HYPERGLYCEMIA (prevention & control); PARENTERAL FEEDING; SOY BEANS; TRIGLYCERIDES (metabolism).

Eckert C

DEPRESSED ENDOGENOUS FIBRINOLYTIC ACTIVITY IN ESSENTIAL HYPERTENSION. Tsipogias MJ, Peabody RA, Wu KT, Devoraj KT, Eckert C *J Cardiovasc Surg (Torino)* 15: 651-4, Nov-Dec 74 (Eng)

Ectors M

LETTER: SMALL INTRAVENOUS INSULIN BOLUSES IN THE TREATMENT OF DIABETIC COMA. Clumeck N, Detroyer A, Naeije R, Ectors M, Balasse EO *Lancet* 2: 416, 30 Aug 75 (Eng)

LETTER: CHLORPROPAMIDE POISONING AND DIABETES INSIPIDUS. De Troyer A, Ectors M, Hubert JP *Lancet* 2: 514, 13 Sep 75 (Eng)

Edelman GM

PERSPECTIVE OF CELL SURFACE STRUCTURE AND FUNCTION. Edelman GM *Adv Exp Med Biol* 51: 243-70, 1974 (Eng)
ANTIGENS, BINDING SITES; CELL MEMBRANE (analysis, ultrastructure); CYTOPLASM (analysis); GLYCOPROTEINS (analysis); HISTOCOMPATIBILITY ANTIGENS; LIPIDS (analysis); MACROMOLECULAR SYSTEMS; MITOGENS; MODELS, BIOLOGICAL; PROTEIN BINDING; PROTEINS (analysis).

Edora P

SEMI-AUTOMATED COLORIMETRIC DETERMINATION OF TRIGLYCERIDES. Edora P, Rockerbie RA *Clin Biochem* 8: 5-10, Feb 75 (Eng)
AUTOANALYSIS; COLORIMETRY; COSTS AND COST ANALYSIS; EVALUATION STUDIES; HUMAN; METHODS; TRIGLYCERIDES (blood).

Edwards P

COMPARISON OF 125-I-INSULIN BINDING AND DEGRADATION TO ISOLATED RAT HEPATOCYTES AND LIVER MEMBRANES. Olefsky J, Johnson J, Liu F, Edwards P, Baur S *Diabetes* 24: 801-10, Sep 75 (Eng)

Diabetes Literature—Author Index

Efendic S

Efendic S

[PREDIABETIC STATE, DIABETES AND ARTERIOSCLEROSIS] Efendic S, Milentijevic G, Luft R *Srp Arh Celok Lek* 103: 249-55, Apr 75 (Ser)
ADULT; AGED; ARTERIOSCLEROSIS (etiology); DIABETIC ANGIOPATHIES (complications); ENGLISH ABSTRACT; HUMAN; MIDDLE AGE; MYOCARDIAL INFARCT (etiology); PREDIABETIC STATE.

Eickhoff W

[CLINICO-NEUROLOGIC AND ELECTROMYOGRAPHIC STUDIES OF PATIENTS WITH INITIAL ISOLATED PIGMENTARY RETINOPATHY] Muller-Jensen A, Eickhoff W, Hellner KA *Ophthalmologica* 170: 505-17, 1975 (Ger)

Eisele K

STRUCTURE AND ACTIVITY OF INSULIN, XIII. SPECIFICITY OF THE ARGININE-GUANIDINO GROUP IN BIOLOGICALLY ACTIVE TETRAPEPTIDES OF THE INSULIN SEQUENCE B 22-25 (ARG-GLY-PHE-PHE). Weitzel G, Eisele K, Stock W *Hoppe Seylers Z Physiol Chem* 356: 583-90, May 75 (Eng)

Eisen HJ

GLUCOSE REGULATION BY ISOLATED NEAR TERM FETAL MONKEY LIVER. Glinsmann WH, Eisen HJ, Lynch A, Chez RA *Pediatr Res* 9: 600-4, Jul 75 (Eng)

Elders MJ

MANAGEMENT OF JUVENILE DIABETES MELLITUS. Chaney C, Elders MJ *J Arkansas Med Soc* 72: 111-27, Aug 75 (Eng) [50]

Elise EA

THE EFFECT OF ESSENTIAL FATTY ACIDS DEFICIENCY ON THE NITROGEN METABOLISM OF RATS. al-Nagdy SA, al-Gauhari AA, el-Sabbagh ME, Elise EA *Comp Biochem Physiol* [A] 47: 835-43, 1 Mar 74 (Eng)

El-Nabbout S

[MEASUREMENT OF ORAL PH, A CLINICAL TEST IN CURRENT PRACTICE. DIAGNOSTIC SIGNIFICANCE] Laudenbach P, Boumaza M, El-Nabbout S, Khanh-Trinh *Actual Odontostomatol (Paris)* 715-25, Dec 74 (Fre)

el-Sabbagh ME

THE EFFECT OF ESSENTIAL FATTY ACIDS DEFICIENCY ON THE NITROGEN METABOLISM OF RATS. al-Nagdy SA, al-Gauhari AA, el-Sabbagh ME, Elise EA *Comp Biochem Physiol* [A] 47: 835-43, 1 Mar 74 (Eng)

Elleberg M

NEUROPATHY IN LONG-STANDING INSULIN-DEPENDENT DIABETIC PATIENTS. Elleberg M *Kidney Int [Suppl]* 77-85, Oct 74 (Eng) [29]
ARTHROPATHY, NEUROGENIC (etiology); ASTHENIA (etiology); AUTONOMIC NERVOUS SYSTEM (physiopathology); BLADDER, NEUROGENIC (etiology); BLINDNESS (etiology); BURNS (etiology); DIABETES MELLITUS, JUVENILE (prevention & control, complications); DIABETIC NEUROPATHIES (classification); FEMALE; FOOT DEFORMITIES, ACQUIRED (therapy); HUMAN; HYPOHIDROSIS (etiology); HYPOTENSION, ORTHOSTATIC (etiology); INSULIN (therapeutic use); MALE; MUSCULAR ATROPHY (etiology, therapy); PARKINSONISM (etiology); PERIPHERAL NERVE DISEASES (etiology, diagnosis); RADICULITIS (etiology); REVIEW; ULCER (etiology).

Elliott RB

INSULIN-LIKE INSULINASE-RESISTANT MATERIAL, DISTINGUISHABLE FROM NORMAL INSULIN, IN JUVENILE

DIABETES. Crossley JR, Elliott RB *Diabetes* 24: 609-17, Jul 75 (Eng)

Ellis S

AMINO TERMINAL RESIDUE HETEROGENEITY OF BOVINE AND OVINE GROWTH HORMONES AS REVEALED BY POLYACRYLAMIDE GEL ELECTROPHORESIS. Lorensen MG, Ellis S *Endocrinology* 96: 833-8, Apr 75 (Eng)

Eloy R

[PANCREATIC TRANSPLANTATION: ENDOCRINE FUNCTION OF THE GRAFTED PANCREAS. CURRENT DATA AND FUTURE PROSPECTS] Eloy R, Jaecq D, Schang JC, Van-nareth T, Gillet M, Grenier JF, Moody AJ *Ann Chir* 29: 559-69, Jun 75 (Fre)

ANIMAL: BLOOD SUGAR (analysis); DOGS; ENGLISH ABSTRACT; FUTUROLOGY; INSULIN (secretion, blood); ISLANDS OF LANGERHANS (secretion); PANCREAS (transplantation); PANCREATICTOMY; TRANSPLANTATION, AUTOLOGOUS; TRANSPLANTATION, HOMOLOGOUS.

Elveback LR

GLUCAGON-BLOOD CATECHOLAMINE TEST: USE IN ISOLATED AND FAMILIAL PHEOCHROMOCYTOMA. Siqueira-Filho AG, Sheps SG, Maher FT, Jiang NS, Elveback LR *Arch Intern Med* 135: 1227-31, Sep 75 (Eng)

Emelianov NA

[EFFECT OF HYDROCORTISONE ADMINISTRATION ON THE RATE OF ANAEROBIC GLYCOLYSIS IN RAT CEREBRAL CORTEX SECTIONS] Bogdanova TS, Emelianov NA *Probl Endokrinol (Mosk)* 20: 74-6, May-Jun 74 (Rus)

Emmrich P

[THE SIZE OF CHORIONIC VILLI IN THE PLACENTA OF DIABETICS (AUTHORS TRANSL)] Emmrich P, Muller G *Zentralbl Allg Pathol* 118: 504-9, 1974 (Ger)

BIRTH WEIGHT; CHORIONIC VILLI (pathology, anatomy & histology); ENGLISH ABSTRACT; FEMALE; GESTATIONAL AGE; HUMAN; PLACENTA (pathology); PREGNANCY IN DIABETES (pathology); PREGNANCY.

Emody L

PHYSIOLOGICAL EFFECT OF ORALLY ADMINISTERED ENDOTOXIN TO MAN. Emody L, Ralovich B, Barna K, Brasch G, Ternak G *J Hyg Epidemiol Microbiol Immunol (Praha)* 18: 454-8, 1974 (Eng)
ADMINISTRATION, ORAL; ANTIGENS, BACTERIAL; BLOOD SUGAR (analysis); BODY TEMPERATURE; ENDOTOXINS (administration & dosage); ESCHERICHIA COLI (immunology); HUMAN; IRON (blood); PHOSPHATES (blood); SALMONELLA (immunology).

Endo T

[PROCEEDINGS: AGE RELATED CHANGES OF THE PANCREATIC LANGERHANS ISLAND.] Endo T, Ichikawa I, Hannya H, Murachi T *Folia Endocrinol Jpn* 50: 235, 20 Feb 74 (Jpn)
AGED; AGING; FEMALE; HUMAN; MALE; MIDDLE AGE; PANCREAS (cytology).

Endrooczi E

NOREPINEPHRINE CONCENTRATION IN HEART MUSCLE AND HYPOTHALAMUS DURING ACIDOSIS IN THE RAT. Karpati P, Preda I, Endrooczi E *Acta Physiol Acad Sci Hung* 43: 315-20, 1973 (Eng)

Ennis GC

CARBOHYDRATE INTOLERANCE IN CARCINOMA OF THE LUNG. Ennis GC, Cameron DP, Burger HG *Aust NZ J Med* 4: 555-60, Dec 74 (Eng)

BLOOD SUGAR (analysis); FEMALE; GLUCOSE (metabolism); HUMAN; INSULIN (blood); LUNG NEOPLASMS (metabolism, blood, surgery); MALE; MIDDLE AGE; SEX FACTORS; SOMATOTROPIN (blood).

Ensinn JW

ARGININE-STIMULATED ACUTE PHASE OF INSULIN AND GLUCAGON SECRETION. I IN NORMAL MAN. Palmer JP, Walter RM, Ensinn JW *Diabetes* 24: 735-40, Aug 75 (Eng)

ACUTE-PHASE INSULIN SECRETION AND GLUCOSE TOLERANCE IN YOUNG AND AGED NORMAL MEN AND DIABETIC PATIENTS. Palmer JP, Ensinn JW *J Clin Endocrinol Metab* 41: 498-503, Sep 75 (Eng)

ADAPTATION TO FASTING IN BABOON. II. REGULATION OF LIPOLYSIS EARLY AND LATE IN FASTING. Koerker DJ, Goodner CJ, Chideckel EW, Ensinn JW *Am J Physiol* 229: 350-4, Aug 75 (Eng)

Eriksson LE

THE FLUIDITY AND ORGANIZATION OF MITOCHONDRIAL MEMBRANE LIPIDS OF THE BROWN ADIPOSE TISSUE OF COLD-ADAPTED RATS AND HAMSTERS AS DETERMINED BY NITROXIDE SPIN PROBES. Cannon B, Polnaszek CF, Butler KW, Eriksson LE, Smith IC *Arch Biochem Biophys* 167: 505-18, Apr 75 (Eng)

Ermier R

[MECHANISM OF ACTION OF GLIQUIDONE (AUTHORS TRANSL)] Zilker T, Ermier R, Henderkott U, Bottermann P *Dtsch Med Wochenschr* 100: 1733-4, 1739-41, 29 Aug 75 (Ger)

Ernst H

[SIGNIFICANCE OF TISSUE SPECIFICITY FOR THE FREQUENCY OF MITOSIS AND ITS CHANGES (AUTHORS TRANSL)] Hildebrand R, Ernst H *Anat Anz* 137: 196-9, 1975 (Ger)

Eskenazi F

[SURVEILLANCE OF THE DIABETIC] Moineade S, Eskenazi F *Sem Hop Ther* 51: 37-40, Jan 75 (Fre)

Esteve B

[NN-DIMETHYLBIGUANIDE ATTENUATES THE LIPID DISORDERS OF RATS ON AN ATHEROGENIC DIET] Esteve B, Marquie G, Agher C *R Acad Sci [D] (Paris)* 280: 2465-8, 2 Jun 75 (Fre)

ANIMAL; BIGUANIDES (pharmacodynamics); CHOLESTEROL (blood, analysis); CHOLESTEROL, DIETARY (adverse effects); DEPRESSION, CHEMICAL; DIET, ATHEROGENIC; DIETARY FATS (adverse effects); ENGLISH ABSTRACT; FATTY ACIDS (blood); HYPERLIPIDEMIA (etiology); LIVER (drug effects, analysis); MALE; METFORMIN (pharmacodynamics); RATS; STIMULATION, CHEMICAL.

Eto S

REGULATION OF IN VITRO INSULIN RELEASE FROM A TRANSPLANTABLE SYRIAN HAMSTER INSULINOMA. Shapiro S, Eto S, Fleischer N, Baum SG *Endocrinology* 97: 442-7, Aug 75 (Eng)

Evans E

EFFECTS UPON GLUCOSE METABOLISM OF FEEDING A LOW- OR HIGH-ROUGHAGE DIET AT TWO LEVELS OF INTAKE TO SHEEP. Evans E, Buchanan-Smith JG *Br J Nutr* 33: 33-44, Jan 75 (Eng)
ANIMAL EXPERIMENTS; ANIMAL FEED; ANIMAL NUTRITION; BLOOD SUGAR; BODY WEIGHT; DIETARY PROTEINS; GLUCOSE (metabolism); GRAIN; GRASSES; MALE; SHEEP (metabolism); SOY BEANS; TRITIUM.

Diabetes Literature—Author Index

Feldman MJ

Evstratov AV

THE ENNIATIN IONOPHORES. CONFORMATION AND ION BINDING PROPERTIES. Ovchinnikov YA, Ivanov VT, Evstratov AV, Mikhaleva II, Bystrov VF, Portnova SL, Balashova TA, Meshcheryakova EN, Tulchinsky VM *Int J Pept Protein Res* 6: 465-98, 1974 (Eng)

Ewart RB

EFFECT OF LECTINS ON HORMONE RELEASE FROM ISOLATED RAT ISLETS OF LANGERHANS. Ewart RB, Kornfeld S, Kipnis DM *Diabetes* 24: 705-14, Aug 75 (Eng)
ADIPOSE TISSUE (metabolism, drug effects); AGARICACEAE (analysis); ANIMAL; BLOOD PLATELETS (drug effects); CONCAVALIN A (pharmacodynamics); GLUCAGON (secretion); GLUCOSE (pharmacodynamics); GLYCOPOLYMER (blood); HAPTENS (pharmacodynamics); INSULIN (secretion); ISLANDS OF LANGERHANS (secretion, drug effects); LYMPHOCYTES (drug effects); PLANT AGGLUTININS (pharmacodynamics); RATS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Ewing DE

CAN THE OXYTOCIN CHALLENGE TEST SERVE AS THE PRIMARY METHOD FOR MANAGING HIGH-RISK PREGNANCIES Hayden BL, Simpson JL, Ewing DE, Otterson WN *Obstet Gynecol* 46: 251-4, Sep 75 (Eng)

Ezequiel M

PLASMA IMMUNOREACTIVE INSULIN (IRI) AND IMMUNOREACTIVE GLUCAGON (IRG) AFTER EVISCERATION WITH AND WITHOUT A FUNCTIONAL LIVER. Penhos JC, Ezequiel M, Lepp A, Ramey ER *Diabetes* 24: 637-40, Jul 75 (Eng)

Faber RG

LETTER: VAGOTOMY FOR DUODENAL ULCER. Faber RG, Parkin JV, Holsley M *Br Med J* 3: 436, 16 Aug 75 (Eng)
DUODENAL ULCER (therapy); GASTRIC JUICE (secretion); HUMAN; INSULIN (diagnostic use); VAGOTOMY.

Fabianowski J

[BLOOD INSULIN IN VIRAL HEPATITIS] Pieterowa R, Torzecka W, Fabianowski J, Stempien R, Polakowski P *Pol Tyg Lek* 30: 1385-8, 25 AUG 75 (Pol)

Fabre J

[DIABETES MELLITUS AND ARTERIAL HYPERTENSION (AUTHORS TRANSL)] Vermet A, Fabre J, Merier G *Praxis* 64: 583-8, 13 May 75 (Fre)

Fain JN

LACK OF FEEDBACK REGULATION OF CYCLIC 3:5-AMP ACCUMULATION BY FREE FATTY ACIDS IN CHICKEN FAT CELLS. Malignieri JA, Shepherd RE, Fain JN *J Biol Chem* 250: 6593-8, 25 Aug 75 (Eng)

ISOLATION OF FREE BROWN AND WHITE FAT CELLS. Fain JN *Methods Enzymol* 35: 555-61, 1975 (Eng)

ADIPOSE TISSUE (cytology, metabolism); ANIMAL EXPERIMENTS; BROWN FAT (cytology, metabolism); CATTLE; CELL SEPARATION (methods); CLOSTRIDIOPOLYMERASE A; CLOSTRIDIUM PERFRINGENS (enzymology); CLOSTRIDIUM (enzymology); GLUCOSE (metabolism); IN VITRO; PHOSPHOLIPASE; SERUM ALBUMIN, BOVINE.

Fairbanks G

PHOSPHORYLATION OF ENDOGENOUS SUBSTRATES BY ERYTHROCYTE MEMBRANE PROTEIN KINASES. I. A MONOVALENT CATION-STIMULATED REACTION. Avruch J,

Fairbanks G *Biochemistry* 13: 5507-14, 31 Dec 74 (Eng)

Fairfield S

EVIDENCE FOR GLUCOCORTICOID TRANSPORT INTO ATT-20-D-1 CELLS. Harrison RW 3d, Fairfield S, Orth DN *Biochemistry* 14: 1304-7, 25 Mar 75 (Eng)

Falko JM

GASTRIC INHIBITORY POLYPEPTIDE (GIP) STIMULATED BY FAT INGESTION IN MAN. Falko JM, Crockett SE, Cataland S, Mazzaferri EL *J Clin Endocrinol Metab* 41: 260-5, Aug 75 (Eng)
ADULT; BLOOD SUGAR (metabolism); DIETARY FATS; FASTING; FATTY ACIDS, NONESTERIFIED (blood); FEMALE; GASTROINTESTINAL HORMONES (blood); HUMAN; INSULIN (blood, immunology); MALE; OILS (pharmacodynamics); PEPTIDES (blood, immunology); RADIOIMMUNOASSAY; STOMACH (physiology, drug effects); TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Faloona GR

INTERRELATIONS OF GLUCOSE, INSULIN AND GLUCAGON AFTER OVERNIGHT FAST AND IN RESPONSE TO ORAL GLUCOSE DURING LATE PREGNANCY. Nitzan M, Freinkel N, Metzger BE, Unger RH, Faloona GR, Daniel RR *Isr J Med Sci* 11: 617-22, Jun 75 (Eng)

Farias RN

HORMONE ACTION AND MEMBRANE FLUIDITY: EFFECT OF INSULIN AND CORTISOL ON THE HILL COEFFICIENTS OF RAT ERYTHROCYTE MEMBRANE-BOUND ACETYLCHOLINESTERASE AND (NA& K&)-ATPASE. Massa EM, Morero RD, Bloj B, Farias RN *Biochem Biophys Res Commun* 66: 115-22, 2 Sep 75 (Eng)

Farrell DJ

PROCEEDINGS: BLOOD FLOW AND FREE AMINO NITROGEN (FAN) CONCENTRATION IN THE PORTAL VEIN OF THE PIG. Farrell DJ, Jones AS, Webster AJ, White F *Proc Nutr Soc* 33: 32a-33a, Sep 74 (Eng)
ABSORPTION; AMINO ACIDS (blood); ANIMAL EXPERIMENTS; ANIMAL NUTRITION; BIOLOGICAL TRANSPORT; BLOOD FLOW VELOCITY; ERYTHROCYTES (metabolism); NITROGEN (blood); PORTAL SYSTEM (physiology); SWINE (physiology).

Fasman GD

INTRINSIC TRYPTOPHAN FLUORESCENCE OF MEMBRANES OF GH3 PITUITARY CELLS: QUENCHING BY THYROTROPIN-RELEASING HORMONE. Imae T, Fasman GD, Hinkle PM, Tashjian AH Jr *Biochem Biophys Res Commun* 62: 923-32, 17 Feb 75 (Eng)

Federman D

PREPARATION OF A MODIFIED GLUCOSE OXIDASE REAGENT FOR THE POLAROGRAPHIC DETERMINATION OF GLUCOSE WITH THE BECKMAN GLUCOSE ANALYZER. Fischl J, Federman D, Talmor N *Clin Chem* 21: 760-1, May 75 (Eng)

Federspil G

THE EFFECT OF MUSCULAR EXERCISE ON FREE FATTY ACIDS, ACETOACETATE AND 3-HYDROXYBUTYRATE BLOOD LEVELS. Boninsegna A, Federspil G, De Palo C *Horm Metab Res* 6: 488-91, Nov 74 (Eng)

Fedili G

BEHAVIOR OF PANCREATIC GLUCAGON, INSULIN, AND HGH IN LIVER CIRRHOSIS, AFTER ARGININE AND LV. GLUCOSE.

Greco AV, Ghirlanda G, Patrono C, Fedili G, Manna R *Acta Diabetol Lat* 11: 330-9, Jul-Aug 74 (Eng)

Fedotov NS

[GLUCOSE TRANSPORT INTO MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII CELLS] Panchenko LF, Fedotov NS, Goriacheva LA, Tarshis MA *Dokl Akad Nauk SSSR* 221: 487-9, 1975 (Rus)

Feinstein MB

MEMBRANE PROTEINS RELATED TO WATER TRANSPORT IN HUMAN ERYTHROCYTES. Brown PA, Feinstein MB, Shaafi RI *Nature* 254: 523-5, 10 Apr 75 (Eng)

Feldman MJ

ENDOCRINOLOGY AND METABOLISM IN UREMIA AND DIALYSIS: A CLINICAL REVIEW. Feldman MJ, Singer I *Medicine (Baltimore)* 54: 345-76, Sep 75 (Eng)
ADULT; AMINO ACIDS, ESSENTIAL (metabolism); CHILD; DIETARY CARBOHYDRATES (metabolism); DIETARY PROTEINS (metabolism); HEMODIALYSIS; HOMEOSTASIS; HORMONES (physiology, secretion); HUMAN; HYPERLIPIDEMIA (metabolism); INSULIN (blood); METABOLIC CLEARANCE RATE; PROTEIN-CALORIE MALNUTRITION (metabolism); SERUM ALBUMIN (metabolism); SOMATOTROPIN (metabolism); TRANSFERRIN (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UREMIA (metabolism, diet therapy, complications); VITAMINS (metabolism).

Feldman JM

GLUCOSE INTOLERANCE IN THE CARCINOID SYNDROME. Feldman JM, Plonk JW, Bivens CH, Lebovitz HE *Diabetes* 24: 664-71, Jul 75 (Eng)

ADULT; AGED; CARCINOID TUMOR (metabolism, complications, drug therapy); CYPROHEPTADINE (pharmacodynamics); DIABETES MELLITUS (metabolism); FEMALE; GLUCOSE TOLERANCE TEST; GLUCOSE (metabolism, pharmacodynamics); HUMAN; INSULIN (physiology, blood); MALE; MALIGNANT CARCINOID SYNDROME (metabolism); METABOLIC DISEASES (complications); MIDDLE AGE; NEOPLASM METASTASIS; P-CHLOROPHENYLALANINE (pharmacodynamics); SEROTONIN (blood); STREPTOZOTOCIN (therapeutic use); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Feldman MJ

UPTAKE OF 3-O-METHYL-14C-D-GLUCOSE BY RAT THYMIC LYMPHOCYTES: INSENSITIVITY TO CORTISOL AND INHIBITORS OF RIBONUCLEIC ACID AND PROTEIN SYNTHESIS, AND SENSITIVITY TO CYTOCHALASIN B. Feldman MJ, Kraetsch RE, Lichtman MA, Peck WA *J Reticuloendothel Soc* 16: 318-26, Dec 74 (Eng)

AMINOISOBUTYRIC ACID (metabolism); ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT, ACTIVE; CARBON RADIOISOTOPES; CYCLOHEXIMIDE (pharmacodynamics); CYTOCHALASIN B (pharmacodynamics); DACTINOMYCIN (pharmacodynamics); GLUCOSE (analogs & derivatives, metabolism); HYDROCORTISONE (pharmacodynamics); INTRACELLULAR FLUID; LYMPHOCYTES (metabolism, drug effects); MALE; OXIDATIVE PHOSPHORYLATION; PROTEINS (biosynthesis); RATS; RNA (biosynthesis); THYMUS GLAND (cytology); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Diabetes Literature—Author Index

Felig P

Felig P

RENAL SUBSTRATE EXCHANGE IN HUMAN DIABETES MELLITUS. Wahren J, Felig P *Diabetes* 24: 730-4, Aug 75 (Eng)

SYMPOSIUM I: HORMONE-FUEL INTERACTIONS IN NORMAL AND DIABETIC MAN. THE LIVER AS SITE OF INSULIN AND GLUCAGON ACTION IN NORMAL, DIABETIC AND OBESE HUMANS. Felig P, Wahren J *Isr J Med Sci* 11: 528-39, Jun 75 (Eng) [55]

BLOOD SUGAR (metabolism); DIABETES MELLITUS (metabolism); EXERTION; GLUCONEOGENESIS; GLUCOSE (metabolism, diagnostic use); HUMAN; INSULIN RESISTANCE; INSULIN (physiology); LIVER (metabolism); OBESITY (metabolism); REVIEW; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

GLUCOSE AND FREE FATTY ACID UTILIZATION IN EXERCISE. STUDIES IN NORMAL AND DIABETIC MAN. Wahren J, Hagenfeldt L, Felig P *Isr J Med Sci* 11: 551-9, Jun 75 (Eng)

Felts JM

OXIDATION OF 14C-LABELED SUBSTRATES BY DOG KIDNEY CORTEX AT 10 AND 38 DEGREES C. Huang SJ, Downes GL, Childress GL, Felts JM, Belzer FO *Cryobiology* 11: 387-94, Oct 74 (Eng)

Fenoglio I

[PSYCHODIAGNOSIS OF JUVENILE DIABETES IN THE INITIAL PHASE] Bruni B, Bruni Bocher K, Bossi L, Fenoglio I, Tonso F *Ann Osp Maria Vittoria Torino* 17: 49-100, Jan-Jun 74 (Ita)

Fenton LJ

BLOOD SAMPLING THROUGH UMBILICAL CATHETERS. Brown DR, Fenton LJ, Tsang RC *Pediatrics* 55: 257-60, Feb 75 (Eng)

Fernandez CJ

[NON-FUNCTIONING ADRENOCORTICAL CARCINOMA AND FOCAL CHRONIC PYLONEPHRITIS] Yanez AP, Fernandez CJ, Mejias MM, Rojas MT, Velasco FT, Cortina de Luna JL *Rev Clin Esp* 137: 565-70, 30 Jun 75 (Spa)

Fernandez E

METABOLIC ALKALOSIS IN DIABETIC KETO-SIS. Jimenez JA, Daminano A, Fernandez E, Rodriguez-Rubio F, Garrido M *JAMA* 233: 1193-4, 15 Sep 75 (Eng)

Fett KD

[THE UPTAKE OF OXYGEN AND GLUCOSE BY THE GINGIVA IN DIABETES MELLITUS WITH VARIOUS FORMS OF PERIODONTAL DISEASES] Fett KD, Hommel H, Fischer U *Stomatol DDR* 25: 267-72, Apr 75 (Ger)

ADULT; DIABETES MELLITUS (metabolism, complications); DIABETIC RETINOPATHY (metabolism); ENGLISH ABSTRACT; GINGIVA (metabolism); GLUCOSE (metabolism); HUMAN; MIDDLE AGE; OXYGEN CONSUMPTION; PERIODONTAL DISEASES (metabolism, etiology).

Fibiger HC

NEUROLEPTIC-INDUCED DEFICITS IN FOOD AND WATER REGULATION: SIMILARITIES TO THE LATERAL HYPOTHALAMIC SYNDROME. Zis AP, Fibiger HC *Psychopharmacologia* 43: 63-8, 23 Jul 75 (Eng)

Fiddler GI

LETTER: PROPRANOLOL AND PREGNANCY. Fiddler GI *Lancet* 2: 722-3, 21 Sep 74 (Eng) ADULT; BIRTH WEIGHT; CASE REPORT; FEMALE; FETUS (drug effects); HEART ENLARGEMENT (drug therapy); HUMAN; HYPOGLYCEMIA (chemically induced);

INFANT, NEWBORN; INFANT, NEWBORN, DISEASES (chemically induced); PREGNANCY COMPLICATIONS, CARDIOVASCULAR (drug therapy); PROPRANOLOL (adverse effects, therapeutic use).

Fieux MN

EFFECTS OF N-ETHYLMALIMIDE ON LIPOLYSIS AND GLUCOSE UPTAKE IN RAT ADIPOSE TISSUE. Giudicelli Y, Fieux MN, Nordmann R *Biomedicine [Express]* 21: 452-6, 20 Nov 74 (Eng)

Finucane JF

CARBOHYDRATE TOLERANCE IN AUTOIMMUNE THYROIDITIS. Finucane JF *Diabetes* 24: 829-32, Sep 75 (Eng)

ADULT; AGE FACTORS; AGED; AUTOIMMUNE DISEASES (metabolism, complications); BLOOD SUGAR (metabolism); DIABETES MELLITUS (metabolism, complications); FEMALE; GLUCOSE TOLERANCE TEST; GLUCOSE (metabolism); HUMAN; MALE; MIDDLE AGE; PROTEIN-BOUND IODINE TEST; THYROGLOBULIN (immunology); THYROIDITIS (metabolism, complications); THYROIDITIS, LYMPHOMATOUS (metabolism).

Fischer U

DYNAMICS OF CANINE PANCREATIC BLOOD FLOW AND OF INSULIN SECRETION DURING AN INTRAVENOUS GLUCOSE LOAD. Fischer U, Hommel H, Schmid E *Pfluegers Arch* 358: 89-100, 9 Jul 75 (Eng)

ANIMAL; BLOOD PRESSURE; DOGS; FEMALE; FEMORAL ARTERY; GLUCOSE (pharmacodynamics); HEART RATE; HEMATOCRIT; INJECTIONS, INTRAVENOUS; INSULIN (secretion); MALE; MANNITOL; MESENTERIC ARTERIES; PANCREAS (blood supply, secretion, drug effects); PORTAL VEIN; REGIONAL BLOOD FLOW (drug effects); TIME FACTORS; VASCULAR RESISTANCE.

[THE UPTAKE OF OXYGEN AND GLUCOSE BY THE GINGIVA IN DIABETES MELLITUS WITH VARIOUS FORMS OF PERIODONTAL DISEASES] Fett KD, Hommel H, Fischer U *Stomatol DDR* 25: 267-72, Apr 75 (Ger)

Fischerman K

THE ENTERAL INSULIN-STIMULATION AFTER WHIPPLES OPERATION. Rehfeld JF, Stadil F, Baden H, Fischerman K *Diabetologia* 11: 207-10, Jun 75 (Eng)

Fischl J

PREPARATION OF A MODIFIED GLUCOSE OXIDASE REAGENT FOR THE POLAROGRAPHIC DETERMINATION OF GLUCOSE WITH THE BECKMAN GLUCOSE ANALYZER. Fischl J, Federman D, Talmor N *Clin Chem* 21: 760-1, May 75 (Eng)

BODY FLUIDS (analysis); DISACCHARIDES; DRUG STABILITY; EVALUATION STUDIES; GLUCOSE OXIDASE; GLUCOSE (analysis); GLUCOGEN; INDICATORS AND REAGENTS (standards); MALTOSE; POLAROGRAPHY (methods); STARCH.

Fischler M

[THE DIAGNOSTIC VALUE OF THE F WAVE LATENCY (AUTHORS TRANSL)] Conrad B, Aschoff JC, Fischler M *J Neurol* 210: 151-9, 22 Sep 75 (Ger)

Fiser RH

THE EFFECT OF ORAL ALANINE ON BLOOD GLUCOSE AND GLUCAGON IN THE HUMAN NEWBORN INFANT. Fiser RH, Williams PR, Fisher DA, DeLamater PV, Sperling MA, Oh W *Pediatrics* 56: 78-81, Jul 75 (Eng)

ADMINISTRATION, ORAL; ALANINE (pharmacodynamics, administration & dosage, blood); BLOOD SUGAR (metabolism);

GLUCAGON (metabolism, blood); GLUCOSE (pharmacodynamics); HUMAN; INFANT, NEWBORN; INSULIN (metabolism, blood); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

Fiser RH Jr

EDITORIAL: CURRENT UNDERSTANDING OF PATHOGENESIS OF OBESITY. Fiser RH Jr, Fisher DA *South Med J* 68: 931-3, Aug 75 (Eng) ATHEROSCLEROSIS (complications); DIETARY HABITS; GROWTH SUBSTANCES (pharmacodynamics); HUMAN; HYDROCORTISONE (pharmacodynamics); HYPERLIPIDEMIA (complications); HYPERTENSION (complications); INSULIN RESISTANCE; LIPIDS (metabolism); MOTOR ACTIVITY; OBESITY IN DIABETES (complications); OBESITY (occurrence, etiology, diet therapy, prevention & control); UNITED STATES.

Fisher AM

LETTER: ORAL AGENTS FOR DIABETES. Fisher AM *Can Med Assoc J* 113: 364, 6 Sep 75 (Eng)

ADMINISTRATION, ORAL; CANADA; DIABETES MELLITUS (drug therapy); HUMAN; SULFONYLUREA COMPOUNDS (therapeutic use); TOLBUTAMIDE (therapeutic use).

Fisher DA

THE EFFECT OF ORAL ALANINE ON BLOOD GLUCOSE AND GLUCAGON IN THE HUMAN NEWBORN INFANT. Fiser RH, Williams PR, Fisher DA, DeLamater PV, Sperling MA, Oh W *Pediatrics* 56: 78-81, Jul 75 (Eng)

EDITORIAL: CURRENT UNDERSTANDING OF PATHOGENESIS OF OBESITY. Fiser RH Jr, Fisher DA *South Med J* 68: 931-3, Aug 75 (Eng)

Fisher U

[ENDOCRINE FUNCTION OF THE GASTROINTESTINAL TRACT] Shlimovich PB, Khommel Kh, Fisher U *Sov Med* 68-73, Jun 75 (Rus)

Fishman WH

PURIFICATION OF HUMAN PLACENTAL ALKALINE PHOSPHATASE. SALT EFFECTS IN AFFINITY CHROMATOGRAPHY. Doellgast GJ, Fishman WH *Biochem J* 141: 103-12, Jul 74 (Eng)

Fitzhardinge PM

EARLY GROWTH AND DEVELOPMENT IN LOW-BIRTHWEIGHT INFANTS FOLLOWING TREATMENT IN AN INTENSIVE CARE NURSERY. Fitzhardinge PM *Pediatrics* 56: 162-72, Aug 75 (Eng)

ANOXIA (therapy); ASPHYXIA; NEONATORUM (therapy); BIRTH WEIGHT; CHILD DEVELOPMENT; FEMALE; HOSPITAL NURSERIES; HUMAN; HYDROCEPHALUS (therapy); HYPOGLYCEMIA (therapy); INFANT, NEWBORN; INFANT, PREMATURE, DISEASES (therapy); INTENSIVE CARE UNITS; JAUNDICE, NEONATAL (therapy); MALE; MICROCEPHALY (therapy); PARENTERAL FEEDING; PHILIPPINES; PSYCHOMETRICS; RESPIRATORY DISTRESS SYNDROME (therapy); TIME FACTORS.

F-entes M

COUPLING OF ALANINE RACEMASE AND D-ALANINE DEHYDROGENASE TO ACTIVE TRANSPORT OF AMINO ACIDS IN ESCHERICHIA COLI B MEMBRANE VESICLES. Kaczorowski G, Shaw L, F-entes M, Walsh C *J Biol Chem* 250: 2855-65, 25 Apr 75 (Eng)

Flatmark T

BROWN ADIPOSE TISSUE MITOCHONDRIA. Flatmark T, Pedersen JI *Biochim Biophys Acta* 416: 53-103, 31 Mar 75 (Eng) [226]

ADAPTATION, PHYSIOLOGICAL;
ADENOSINE DIPHOSPHATE (metabolism);
ADENOSINE TRIPHOSPHATE (metabolism);
ANIMAL EXPERIMENTS; ANIMALS,
NEWBORN; BODY TEMPERATURE
REGULATION; BROWN FAT (metabolism);
CELL DIFFERENTIATION; CELL
FRACTIONATION; COLD; CYTOCHROMES
(metabolism); ELECTRON TRANSPORT;
ENERGY TRANSFER; EVOLUTION; FATTY
ACIDS (metabolism); GUANINE
NUCLEOTIDES (pharmacodynamics); GUINEA
PIGS; HYDROGEN-ION CONCENTRATION;
KINETICS; MITOCHONDRIA (metabolism,
ultrastructure); NOREPINEPHRINE
(pharmacodynamics); OXIDATIVE
PHOSPHORYLATION (drug effects); OXYGEN
CONSUMPTION; REVIEW; TIME FACTORS.

Fleischer N

REGULATION OF IN VITRO INSULIN
RELEASE FROM A TRANSPLANTABLE
SYRIAN HAMSTER INSULINOMA. Shapiro S,
Eto S, Fleischer N, Baum SG *Endocrinology* 97:
442-7, Aug 75 (Eng)

Flemenbaum A

LETTER: CYCLIC AMP, ALPHA AND BETA
RECEPTORS AS A FURTHER EXPLANATION
OF THE PROPRANOLOL-FFA ACTIVITY.
Flemenbaum A *Psychosom Med* 37: 74, Jan-Feb
75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE
(physiology); ADRENERGIC ALPHA
RECEPTOR AGONISTS (physiology);
ADRENERGIC BETA RECEPTOR
BLOCKADERS (physiology); ANXIETY;
EMOTIONAL STRESS; FATTY ACIDS;
NONESTERIFIED (blood); HUMAN;
PROPRANOLOL (pharmacodynamics).

Fleming DG

EFFECT OF GOLDTHIOGLUCOSE ON LONG-
TERM CULTURES OF MOUSE
HYPOTHALAMUS. Geller HM, Cechner RL,
Fleming DG *Neurobiology* 2: 154-61, 1972 (Eng)

Flenker H

[REVERSIBLE AND IRREVERSIBLE HEMORR-
HAGIC SHOCK IN RATS. METHODS AND
RESULTS OF A STANDARDIZED SHOCK
MODEL (AUTHORS TRANSL)] Flenker H,
Greupner E *Beitr Pathol* 153: 339-52, 1974
(Ger)

ADENOSINE TRIPHOSPHATE (blood); AGE
FACTORS; ANIMAL EXPERIMENTS; BLOOD
PRESSURE; BLOOD SUGAR (analysis); BLOOD;
CARBON DIOXIDE (blood); DISEASE
MODELS, ANIMAL; ENGLISH ABSTRACT;
HYDROGEN-ION CONCENTRATION;
LACTATES (blood); MALE; NUTRITION;
OXYGEN (blood); PARTIAL PRESSURE;
PULSE; RATS; RESPIRATION; SEX FACTORS;
SHOCK, HEMORRHAGIC (physiopathology);
TIME FACTORS.

Fletcher GL

THE EFFECTS OF CAPTURE, STRESS, AND
STORAGE OF WHOLE BLOOD ON THE RED
BLOOD CELLS, PLASMA PROTEINS, GLU-
COSE, AND ELECTROLYTES OF THE
WINTER FLOUNDER
(PSEUDOPLEURONECTES AMERICANUS).
Fletcher GL *Can J Zool* 53: 197-206, Feb 75
(Eng)

ANIMAL EXPERIMENTS; BLOOD
PRESERVATION; BLOOD PROTEINS
(analysis); BLOOD SUGAR (analysis);
ELECTROLYTES (blood); ERYTHROCYTES;
FISHES (blood); STRESS.

Fletcher JE

LONG CHAIN FATTY ACID BINDING TO
HUMAN PLASMA ALBUMIN. Ashbrook JD,
Spector AA, Santos EC, Fletcher JE *J Biol Chem*
250: 2333-8, 25 Mar 75 (Eng)

Fletterick RJ

THE STRUCTURE OF A YEAST HEXOKINASE
MONOMER AND ITS COMPLEXES WITH
SUBSTRATES AT 2.7-Å RESOLUTION. Flet-
terick RJ, Bates DJ, Steitz TA *Proc Natl Acad Sci*
USA 72: 38-42, Jan 75 (Eng)

ADENOSINE DIPHOSPHATE (metabolism);
ADENOSINE MONOPHOSPHATE (metabolism);
ADENOSINE TRIPHOSPHATE (metabolism);
BINDING SITES; GLUCOSE (metabolism);
HEXOKINASE (metabolism); MODELS,
STRUCTURAL; MOLECULAR WEIGHT;
PEPTIDES (metabolism);
PHOSPHOGLYCERATE KINASE (metabolism);
PHOSPHOTRANSFERASES, ATP (metabolism);
PROTEIN BINDING; PROTEIN
CONFORMATION; UNITED STATES
GOVERNMENT SUPPORTED, NON-N.I.H.; X-
RAY DIFFRACTION; YEASTS (enzymology,
metabolism).

Flores-Carreón A

[DESCRIPTION OF A METHOD FOR THE
DETERMINATION OF GLUCOSE AND
ALPHA-GLUCOSIDASE (AUTHORS
TRANSL)] Flores-Carreón A, Ruiz-Herrera J
Rev Lat Am Microbiol 16: 187-8, Oct-Dec 74
(Spa)

CHEMISTRY, ANALYTICAL (methods);
GLUCOSE (analysis); GLUCOSIDASES
(analysis).

Foa PP

GASTRIC OPERATIONS AND GLUCOSE
HOMEOSTASIS. II. GLUCAGON AND
SECRETIN. Breuer RI, Zuckerman L, Hauch
TW, Green W, OGara P, Lawrence AM, Foa PP,
Matsuyama T *Gastroenterology* 69: 598-606, Sep
75 (Eng)

Foerster K

[THE OCCURRENCE OF DIABETES MEL-
LITUS, DIABETES INSIPIDUS, OPTIC
ATROPHY AND NEUROGENIC DEAFNESS IN
ONE PATIENT (AUTHORS TRANSL)] Foerster
K, Spranger J, Beyer J, Regli F *J Neural* 210: 71-
6, 4 Aug 75 (Ger)

ADOLESCENCE; DEAFNESS (complications);
DIABETES INSIPIDUS (complications);
DIABETES MELLITUS, JUVENILE
(complications);
ELECTROENCEPHALOGRAPHY;
ELECTROMYOGRAPHY; ENGLISH
ABSTRACT; FEMALE; HUMAN; LABYRINTH
DISEASES (complications); NYSTAGMUS
(complications); OPTIC ATROPHY
(complications); SYNDROME.

Fontaine G

[DIGITO-PALMAR DERMATOGLYPHICS OF
THE CHILD BORN TO A DIABETIC
MOTHER] Leblanc-Pieraert C, Walbaum R,
Fontaine G *Lille Med* 20: 188-97, Mar 75 (Fre)

Fontaine YA

[EXISTENCE OF A PROTEIN KINASE ACTI-
VITY WHICH MAYBE STIMULATED BY 3,5-
CYCLIC ADENOSINE MONOPHOSPHATE IN
ADIPOSE TISSUE OF A TELEOSTEAN FISH,
THE TROUT (SALMO GAIARDNERII R.)] Fon-
taine-Bertrand E, Delerue-Le Belle N, Fontaine
YA *Biochimie* 56: 1123-8, 1974 (Fre)

Fontaine-Bertrand E

[EXISTENCE OF A PROTEIN KINASE ACTI-
VITY WHICH MAYBE STIMULATED BY 3,5-
CYCLIC ADENOSINE MONOPHOSPHATE IN
ADIPOSE TISSUE OF A TELEOSTEAN FISH,
THE TROUT (SALMO GAIARDNERII R.)] Fon-
taine-Bertrand E, Delerue-Le Belle N, Fontaine
YA *Biochimie* 56: 1123-8, 1974 (Fre)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE
(pharmacodynamics); ADENOSINE
TRIPHOSPHATE (pharmacodynamics);
ADIPOSE TISSUE (enzymology); ANIMAL

EXPERIMENTS; ENGLISH ABSTRACT;
ENZYME ACTIVATION; GUANOSINE CYCLIC
3,5 MONOPHOSPHATE (pharmacodynamics);
ISOENZYMES (isolation & purification);
KINETICS; PROTEIN KINASE (isolation &
purification, metabolism); PROTEINS (analysis);
THEOPHYLLINE (pharmacodynamics); TROUT.

Fork G

[APPARENT INSULIN INCOMPATIBILITY IN A
CASE OF ARTHUS PHENOMENON CAUSED
BY SURFEN] Fork G, Wilhelm E, Baumeister
G, Westerloh K *Med Welt* 26: 664-9, 4 Apr 75
(Ger)

ADJUVANTS, PHARMACEUTIC (adverse
effects); ARTHUS PHENOMENON (chemically
induced); CASE REPORT; DIABETES
MELLITUS (drug therapy); DRUG
INTERACTIONS; HUMAN; INSULIN (adverse
effects); MALE; MIDDLE AGE; QUINALDINES
(adverse effects); QUINOLINES (adverse effects);
UREA (analogs & derivatives, adverse effects).

Ford GC

THREE-DIMENSIONAL STRUCTURE OF D-
GLYCERALDEHYDE-3-PHOSPHATE
DEHYDROGENASE. Buehner M, Ford GC,
Olson KW, Moras D, Rossman MG *J Mol Biol*
90: 25-49, 25 Nov 74 (Eng)

Fordtran JS

STIMULATION OF ACTIVE AND PASSIVE
SODIUM ABSORPTION BY SUGARS IN THE
HUMAN JEJUNUM. Fordtran JS *J Clin Invest*
55: 728-37, Apr 75 (Eng)

ANIONS; BICARBONATES
(pharmacodynamics); BIOLOGICAL
TRANSPORT (drug effects); BIOLOGICAL
TRANSPORT, ACTIVE (drug effects);
CARBOHYDRATES (pharmacodynamics);
COMPARATIVE STUDY;
ELECTROPHYSIOLOGY; FRUCTOSE
(pharmacodynamics); GLUCOSE
(pharmacodynamics); HUMAN; INTESTINAL
ABSORPTION (drug effects); INTESTINAL
MUCOSA (physiology); JEJUNUM (metabolism,
secretion); MANNITOL (pharmacodynamics);
POTASSIUM (metabolism, secretion,
administration & dosage); SODIUM CHLORIDE
(metabolism); SODIUM (metabolism, secretion);
STIMULATION, CHEMICAL; UNITED STATES
GOVERNMENT SUPPORTED, N.I.H.; UREA
(metabolism); WATER (metabolism).

Forgacs S

[DISTURBANCE OF GASTRIC EMPTYING IN
DIABETES MELLITUS (AUTHORS TRANSL)]
Forgacs S *Fortschr Geb Roentgenstr Nuklearmed*
122: 541-7, Jun 75 (Ger)

AGED; BEZOARS (etiology, radiography);
DIABETES MELLITUS (physiopathology,
complications); DIABETIC COMA
(complications); DIABETIC NEUROPATHIES
(complications); DIAGNOSIS, DIFFERENTIAL;
DIGESTION; ENGLISH ABSTRACT; FEMALE;
GASTROINTESTINAL MOTILITY; HUMAN;
HYPOGLYCEMIA (etiology); MALE; MIDDLE
AGE; PARALYSIS (etiology, therapy); PYLORIC
STENOSIS (diagnosis); STOMACH DISEASES
(etiology, radiography, therapy); STOMACH
(physiopathology); VAGUS NERVE.

[DIABETIC GASTROPARESIS AND DIABETIC
DIARRHEA] Forgacs S *Orv Hetil* 116: 2049-53,
31 Aug 75 (Hun)

DIABETES MELLITUS (complications,
physiopathology); DIARRHEA (etiology);
FEMALE; GASTROINTESTINAL MOTILITY;
HUMAN; MALE; MIDDLE AGE; PARALYSIS
(etiology); STOMACH (innervation,
physiopathology); VAGUS NERVE
(physiopathology).

Forgue ME

INSULIN RECEPTORS IN THE HEART
MUSCLE. DEMONSTRATION OF SPECIFIC

Forsham PH

BINDING SITES AND IMPAIRMENT OF INSULIN BINDING IN THE PLASMA MEMBRANE OF THE OBESE HYPERGLYCEMIC MOUSE. Forgue ME, Freychet P *Diabetes* 24: 715-23, Aug 75 (Eng)
ANIMAL; BINDING SITES; BLOOD SUGAR (metabolism); **CELL MEMBRANE** (metabolism); **INSULIN** (metabolism); **LIVER** (metabolism); **MICE; MICE, OBESE** (metabolism); **MITOCHONDRIA, MUSCLE** (metabolism); **MYOCARDIUM** (metabolism); **RATS; RECEPTORS, HORMONE; T-LYMPHOCYTES** (metabolism).

Forsham PH

DETERMINATION OF PHENFORMIN IN BIOLOGICAL FLUIDS USING CHEMICAL IONIZATION MASS SPECTROMETRY. Matin SB, Karam JH, Forsham PH, Knight JB *Biomed Mass Spectrom* 1: 320-2, Oct 74 (Eng)

ALTERED HYPOTHALAMIC-PITUITARY-ADRENAL RESPONSIVENESS TO DEXAMETHASONE-INSULIN TOLERANCE TEST IN ACTIVE ACROMEGALY. Hofeldt FD, Levin SR, Von Werder K, Becker N, Schneider V, Hane S, Seymour R, Adams JE, Forsham PH *J Clin Endocrinol Metab* 41: 399-401, Aug 75 (Eng)

Forsman PJ

HYPOLYCEMIA IN HYPOPHYSECTOMIZED CHILDREN. Hopwood NJ, Forsman PJ, Kenny FM, Drash AL *Am J Dis Child* 129: 918-26, Aug 75 (Eng)

Forster H

[THE SIGNIFICANCE OF CARBOHYDRATES IN PARENTERAL FEEDING] Forster H, Haslbeck M, Mehnert H *Infusionstherapie* 1: 199-213, Feb 74 (Ger)

ADULT; ANIMAL; CARBOHYDRATES (administration & dosage); **DIABETES MELLITUS** (metabolism); **ENGLISH ABSTRACT; FRUCTOSE** (metabolism, administration & dosage, adverse effects); **GLUCOSE** (metabolism, administration & dosage); **HUMAN; KIDNEY** (metabolism); **LIVER DISEASES** (therapy); **LIVER** (metabolism); **PANCREATITIS** (therapy); **PARENTERAL FEEDING, SORBITOL** (metabolism, administration & dosage, adverse effects); **STRESS** (therapy); **XYLITOL** (metabolism, administration & dosage, adverse effects).

Foster DO

EVIDENCE AGAINST A MEDIATORY ROLE OF BROWN ADIPOSE TISSUE IN THE CALORIGENIC RESPONSE OF COLD-ACCLIMATED RATS TO NORADRENALINE. Foster DO *Can J Physiol Pharmacol* 52: 1051-62, Dec 74 (Eng)

ACCLIMATIZATION; ANESTHESIA; ANIMAL EXPERIMENTS; BARBITURATES, BODY TEMPERATURE (drug effects); **BROWN FAT** (physiology); **COLD; DIET; DOSE-RESPONSE RELATIONSHIP, DRUG; GERM-FREE LIFE; GROWTH; KINETICS; MALE; NOREPINEPHRINE** (pharmacodynamics); **OXYGEN CONSUMPTION** (drug effects); **RATS.**

Fradkina IuN

[EVALUATION OF THE BLOOD COAGULATION SYSTEM IN PATIENTS WITH DIABETES MELLITUS] Fradkina IuN *Vrach Delo* 38-41, Jun 74 (Rus)
BLOOD COAGULATION; DIABETES MELLITUS (blood); **ENGLISH ABSTRACT; HUMAN; THROMBELASTOGRAPHY.**

Frances JM

[CARDIOVASCULAR COMPLICATIONS OF HYPERMOLAR DIABETIC COMA. STUDY OF 4 CASES] Ramon JS, Daroca JC, Perez JF, Frances JM, Gorina AB *Rev Clin Esp* 137: 521-6, 30 Jun 75 (Spa)

Diabetes Literature—Author Index

Franchuk MM

[EFFECT OF INSULIN ON THE NUCLEIC ACID LEVELS IN THE BLOOD OF PATIENTS WITH DIABETES MELLITUS] Franchuk MM *Ter Arkh* 47: 132-4, 1975 (Rus)
ADOLESCENCE; ADULT; AGED; DIABETES MELLITUS (blood, drug therapy); **DNA** (blood); **ENGLISH ABSTRACT; FEMALE; HUMAN; INSULIN** (therapeutic use); **MALE; MIDDLE AGE; RNA** (blood).

Frank W

[BIOLOGICAL EFFECTS OF GROWTH-INDUCING SERUM PROTEINS ON ADIPOSE TISSUE] Renner R, Hepp KD, Mehnert H, Vesper J, Frank W *Verh Dtsch Ges Inn Med* 80: 1222-4, 1974 (Ger)

Franklin B

SIMPLE MANUAL PROCEDURE FOR DETERMINATION OF SERUM TRIGLYCERIDES. Mendez J, Franklin B, Gahagan H *Clin Chem* 21: 768-70, May 75 (Eng)

Freed SZ

PANCREATIC TRANSPLANTATION IN NEW YORK. Gliedman ML, Tellis V, Soberman R, Rifkin H, Freed SZ, Veith FJ *Kidney Int [Suppl]* 164-8, Oct 74 (Eng)

Freeman RB

SPONTANEOUS REMISSION OF THE NEPHROTIC SYNDROME IN DIABETIC NEPHROPATHY. Pabico RC, Panner BJ, McKenna BA, Freeman RB *Am J Med Sci* 59: 434-43, Sep 75 (Eng)

Freinkel N

INTERRELATIONS OF GLUCOSE, INSULIN AND GLUCAGON AFTER OVERNIGHT FAST AND IN RESPONSE TO ORAL GLUCOSE DURING LATE PREGNANCY. Nitzan M, Freinkel N, Metzger BE, Unger RH, Faloona GR, Daniel RR *Isr J Med Sci* 11: 617-22, Jun 75 (Eng)

Frenkel J

[EVALUATION OF WORK CAPACITY IN DIABETICS] Frenkel J, Berber S *Med Pregl* 28: 263-7, 1975 (Ser)
DIABETES MELLITUS (diagnosis); **DISABILITY EVALUATION; HUMAN; WORK CAPACITY EVALUATION; YUGOSLAVIA.**

Frey K

[BARTTERS SYNDROME AND TUBULAR FUNCTIONAL DISTURBANCES] Fricker H, Frey K, Vallotton MB, Gugler E *Helv Paediatr Acta* 30: 61-77, May 75 (Ger)

Freychet P

INSULIN RECEPTORS IN THE HEART MUSCLE. DEMONSTRATION OF SPECIFIC BINDING SITES AND IMPAIRMENT OF INSULIN BINDING IN THE PLASMA MEMBRANE OF THE OBESE HYPERGLYCEMIC MOUSE. Forgue ME, Freychet P *Diabetes* 24: 715-23, Aug 75 (Eng)

SYMPOSIUM III: HORMONES AND HORMONE RECEPTORS. A MORPHOLOGICAL APPROACH TO SURFACE RECEPTORS IN ISLET AND LIVER CELLS. Orci L, Rufenner C, Malaisse-Lagae F, Blondel B, Amherdt M, Bataille D, Freychet P, Perrelet A *Isr J Med Sci* 11: 639-55, Jul 75 (Eng)

RECENT STUDIES ON INSULIN-RECEPTOR INTERACTIONS. Freychet P *Isr J Med Sci* 11: 679-86, Jul 75 (Eng)

ADIPOSE TISSUE (metabolism); **ANIMAL; BINDING, COMPETITIVE; CELL MEMBRANE** (metabolism); **COMPARATIVE STUDY; FASTING; HYPERGLYCEMIA** (metabolism); **IN VITRO; INSULIN** (metabolism); **LIVER** (metabolism); **MICE; MICE, OBESE;**

MYOCARDIUM (metabolism); **PROINSULIN** (metabolism); **RATS; RECEPTORS, HORMONE; STRUCTURE-ACTIVITY RELATIONSHIP; SWINE.**

INTERACTIONS OF GLUCAGON, GUT GLUCAGON, VASOACTIVE INTESTINAL POLYPEPTIDE AND SECRETIN WITH THEIR MEMBRANE RECEPTORS. Bataille D, Rosselin G, Freychet P *Isr J Med Sci* 11: 687-92, Jul 75 (Eng)

Frick J

UPTAKE, OXIDATION, AND ESTERIFICATION OF FREE FATTY ACIDS IN NORMAL AND ATHEROSCLEROTIC RABBIT AORTA. Morrison ES, Scott RF, Kroms M, Frick J *Biochem Med* 11: 153-64, Oct 74 (Eng)

Fricker H

[BARTTERS SYNDROME AND TUBULAR FUNCTIONAL DISTURBANCES] Fricker H, Frey K, Vallotton MB, Gugler E *Helv Paediatr Acta* 30: 61-77, May 75 (Ger)

AMINO ACID METABOLISM, INBORN ERRORS (complications, diagnosis); **AMINOACIDURIA, RENAL** (complications); **BARTTERS DISEASE** (complications, metabolism); **CASE REPORT; CHILD, PRESCHOOL; ENGLISH ABSTRACT; GLYCOSURIA** (complications); **HUMAN; HYPERALDOSTERONISM** (complications); **KIDNEY** (pathology, ultrastructure); **MALE; PHOSPHATES** (urine); **PROTEINURIA** (complications); **RENAL TUBULAR TRANSPORT, INBORN ERRORS** (complications); **RICKETS** (complications, radiography); **WRIST** (radiography).

Friedensberg W

[THYMO-LYMPHATIC STATUS AS A CAUSE OF CARDIAC ARREST] Kubicz Z, Friedensberg W, Halter J *Wiad Lek* 28: 491-3, 15 Mar 75 (Pol)

Friedli B

THE EFFECT OF INCREASED PULMONARY BLOOD FLOW ON THE PULMONARY VASCULAR BED IN PIGS. Friedli B, Kent G, Kidd BS *Pediatr Res* 9: 547-53, Jun 75 (Eng)

ANIMAL; ANOXIA (physiopathology); **ARTERIOVENOUS SHUNT, SURGICAL; BLOOD PRESSURE; CAPILLARY RESISTANCE; CARDIAC OUTPUT; CATTLE; DISEASE MODELS, ANIMAL; GLUCAGON** (pharmacodynamics); **HYPERTENSION, PULMONARY** (physiopathology, pathology); **MICROCIRCULATION** (pathology, physiopathology); **PNEUMONECTOMY; PULMONARY ARTERY** (physiopathology); **PULMONARY CIRCULATION; SWINE.**

Friedman RJ

REPEATED ENDOTHELIAL INJURY AND INDUCTION OF ATHEROSCLEROSIS IN NORMOLIPEMIC RABBITS BY HUMAN SERUM. Friedman RJ, Moore S, Singal DP *Lab Invest* 32: 404-15, Mar 75 (Eng)

ANIMAL EXPERIMENTS; ANTILYMPHOCYTE SERUM; ARTERIOSCLEROSIS; ATHEROSCLEROSIS (etiology, immunology, pathology); **CAROTID ARTERIES** (immunology); **CAROTID ARTERY DISEASES** (etiology, immunology); **DISEASE MODELS, ANIMAL; ENDOTHELIUM** (immunology); **FEMALE; IMMUNE SERUMS; LIPIDS** (blood); **MALE; MICROSCOPY, ELECTRON; MUSCLE, SMOOTH** (pathology); **RABBITS; REGENERATION.**

Frizell M

SLOW AXONAL TRANSPORT OR PROTEINS; BLOCKADE BY INTERRUPTION OF CONTACT BETWEEN CELL BODY AND AXON. Frizell M, McLean WG, Sjostrand J *Brain Res* 86: 67-73, 14 Mar 75 (Eng)

ANIMAL EXPERIMENTS; AXONS (metabolism); AXOPLASMIC FLOW (drug effects); COLCHICINE (pharmacodynamics); FEMALE; LEUCINE (metabolism); LIGATION; MALE; MOTOR NEURONS (metabolism); NERVE TISSUE PROTEINS (metabolism); NEURONS (metabolism); RABBITS; VAGUS NERVE (metabolism).

Froesch ER

NONSUPPRESSIBLE INSULIN-LIKE ACTIVITY: BIOLOGICAL ACTIVITY AND RECEPTOR BINDING. Zapf J, Mader M, Waldvogel M, Froesch ER *Isr J Med Sci* 11: 664-78, Jul 75 (Eng)

Frohman LA

EFFECTS OF PORCINE STALK MEDIAN EMINENCE AND PROSTAGLANDIN E2 ON RAT GROWTH HORMONE SECRETION IN VIVO AND THEIR INHIBITION BY SOMATOSTATIN. Szabo M, Frohman LA *Endocrinology* 96: 955-61, Apr 75 (Eng)

Fujii S

[PROCEEDINGS: ACTION MECHANISM OF LIPID MOBILIZING HORMONE AND CAMP] Saito Y, Matsuoka N, Okuda T, Fujii S *Folia Endocrinol Jpn* 50: 479, 20 Feb 74 (Jpn)

[PROCEEDINGS: MECHANISM OF LIPID METABOLISM REGULATION IN LIPID MICELLES] Matsuoka N, Saito Y, Okuda T, Fujii S *Folia Endocrinol Jpn* 50: 651, 20 Feb 74 (Jpn)

Fujitani B

[LIPID-LOWERING EFFECT OF D,L-ALPHA-METHYL THYROXINE ETHYL ESTER (CG-635) AND ITS INFLUENCE ON BASAL METABOLIC RATE, HEART AND THYROID GLAND] Kuwashima J, Tsuboi T, Fujitani B, Ishikawa K, Nakamura K *J Pharm Soc Jpn* 94: 1541-9, Dec 74 (Jpn)

Fujiwara H

HYPERDIPSIA INDUCED BY BILATERAL DESTRUCTION OF THE LOCUS COERULEUS IN RATS. Osumi Y, Oishi R, Fujiwara H, Takaori S *Brain Res* 86: 419-27, 28 Mar 75 (Eng)

Fukami H

[STUDIES ON HYPOLIPIDEMIC AGENTS. IV. SYNTHESIS AND HYPOLIPIDEMIC ACTIVITIES OF 4-SUBSTITUTED PHENOXYISOBUTYRIC ACID DERIVATIVES (AUTHORS TRANSL)] Miyoshi F, Fukami H, Sako Y *J Pharm Soc Jpn* 94: 1061-9, Sep 74 (Jpn)

Fukase M

[PROCEEDINGS: ROLE OF ACTIVE AMINES IN GROWTH HORMONE SECRETION: WITH SPECIAL REFERENCE TO INTERACTION OF VARIOUS AMINES] Nakai Y, Kurahachi H, Minamoto M, Yoshimi T, Fukase M *Folia Endocrinol Jpn* 50: 279, 20 Feb 74 (Jpn)

Fukui I

[THE ATTENTIVE PROBLEMS ON THE DETERMINATION OF SERUM LIPIDS (AUTHORS TRANSL)] Fukui I *Jpn J Clin Pathol* 23: 31-9, Jan 75 (Jpn)
CHOLESTEROL (blood); FATTY ACIDS, NONESTERIFIED (blood); HUMAN; LIPIDS (blood); LIPOPROTEINS (blood); PHOSPHOLIPIDS (blood).

Fulop M

ALCOHOLIC DETOSIS. Fulop M, Hoberman HD *Diabetes* 24: 785-90, Sep 75 (Eng)
ACIDOSIS (complications); ADULT; AGED; ALCOHOLISM (complications, blood); BICARBONATES (blood); BLOOD SUGAR (metabolism); CARBON DIOXIDE (blood); CHRONIC DISEASE; DIABETES MELLITUS

(complications); FEMALE; GLYCOSURIA (complications); HUMAN;
HYDROXYBUTYRATES (blood); KETOSIS (complications, blood); KETOSIS, DIABETIC (complications); LACTATES (blood); MALE; MIDDLE AGE; UNITED STATES
GOVERNMENT SUPPORTED, N.I.H..

Funderburk C

STUDIES ON GROWTH HORMONE SECRETION. VII. EFFECTS OF SOMATOSTATIN ON PLASMA GH, INSULIN, AND GLUCAGON IN SHEEP. Bryce D, Yeh M, Funderburk C, Todd H, Hertelendy F *Diabetes* 24: 842-50, Sep 75 (Eng)

Furuno K

[PROCEEDINGS: HUMAN PROLACTIN SECRETION DYNAMICS IN VARIOUS ENDOCRINE DISEASES] Ogawa N, Miyoshi M, Hanabusa M, Yokoyama H, Furuno K *Folia Endocrinol Jpn* 50: 296, 20 Feb 74 (Jpn)

Fusinato L

THE ROLE OF GLUCOLIPID IN THE BIOSYNTHESIS OF GLYCOPROTEIN IN TETRAHYMENA PYRIFORMIS. Keenan RW, Kruczek M, Fusinato L *Arch Biochem Biophys* 167: 697-705, Apr 75 (Eng)

Futai M

STIMULATION OF TRANSPORT INTO ESCHERICHIA COLI MEMBRANE VESICLES BY INTERNALLY GENERATED REDUCED NICOTINAMIDE ADENINE DINUCLEOTIDE. Futai M *J Bacteriol* 120: 861-5, Nov 74 (Eng)

ALCOHOL OXIDOREDUCTASES (metabolism); AMINO ACIDS (metabolism); ANAEROBOSIS; ANTIMETABOLITES (pharmacodynamics); BIOLOGICAL TRANSPORT; CELL MEMBRANE (metabolism, enzymology); ESCHERICHIA COLI (cytology, enzymology); FERRICYANIDES (pharmacodynamics); LACTATES (metabolism); MICROSCOPY, ELECTRON; NAD (metabolism); NADH, NADPH OXIDOREDUCTASES (metabolism); OXYGEN CONSUMPTION.

Gabilan JC

[NEONATAL LACTIC ACIDOSIS AND HYPOGLYCEMIA DUE TO A CONGENITAL HEPATIC FRUCTOSE-1,6-DIPHOSPHATASE DEFICIENCY] Retbi JM, Gabilan JC, Marsac C *Arch Fr Pediatr* 32: 367-80, Apr 75 (Fre)

Gaffney BJ

FATTY ACID CHAIN FLEXIBILITY IN THE MEMBRANES OF NORMAL AND TRANSFORMED FIBROBLASTS. Gaffney BJ *Proc Natl Acad Sci USA* 72: 664-8, Feb 75 (Eng)
CELL LINE, CELL MEMBRANE; CELL TRANSFORMATION, NEOPLASTIC; CHEMISTRY; ELECTRON SPIN RESONANCE; FATTY ACIDS; FIBROBLASTS; MICE; ROUS SARCOMA VIRUS; SPIN LABELS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Gahagan H

SIMPLE MANUAL PROCEDURE FOR DETERMINATION OF SERUM TRIGLYCERIDES. Mendez J, Franklin B, Gahagan H *Clin Chem* 21: 768-70, May 75 (Eng)

Galil AK

METABOLISM OF THE MOUSE PLACENTA. Galil AK *J Reprod Fertil* 42: 575-8, Mar 75 (Eng)

ADENOSINE DIPHOSPHATE (metabolism); ANIMAL EXPERIMENTS; CYTOCHROME C (analysis); CYTOCHROMES (analysis); ELECTRODES; FEMALE; FLAVOPROTEINS (analysis); GLUTAMATES (metabolism); HYDROXYBUTYRATES (metabolism); KETOGLUTARIC ACIDS (metabolism);

MALATES (metabolism); MICE; MITOCHONDRIA (metabolism, analysis); PLACENTA (metabolism, ultrastructure); POLAROGRAPHY; PREGNANCY; PROTEINS (analysis); SPECTROPHOTOMETRY; SUBCELLULAR FRACTIONS (metabolism); SUCCINATES (metabolism).

Gammeltoft S

INSULIN RECEPTORS IN FAT CELLS: RELATIONSHIP BETWEEN BINDING AND ACTIVATION. Gliemann J, Gammeltoft S, Vinten J *Isr J Med Sci* 11: 656-63, Jul 75 (Eng)

Gammon MT

UPTAKE PATTERNS AND TRANSPORT ENHANCEMENTS IN CULTURES OF HAMSTER CELLS DEPRIVED OF CARBOHYDRATES. Ullrey D, Gammon MT, Kalckar HM *Arch Biochem Biophys* 167: 410-6, Apr 75 (Eng)

Gancedo C

HEXOSE KINASES FROM RHODOTORULA GLUTINIS. IDENTIFICATION AND PROPERTIES OF AN HEXOKINASE AND A GLUCOKINASE. Mazon MJ, Gancedo JM, Gancedo C *Arch Biochem Biophys* 167: 452-7, Apr 75 (Eng)

Gancedo JM

HEXOSE KINASES FROM RHODOTORULA GLUTINIS. IDENTIFICATION AND PROPERTIES OF AN HEXOKINASE AND A GLUCOKINASE. Mazon MJ, Gancedo JM, Gancedo C *Arch Biochem Biophys* 167: 452-7, Apr 75 (Eng)

Garbus J

ELABORATION OF MEDIUM CHAIN FREE FATTY ACIDS AND LONG CHAIN FATTY ACID PROSTAGLANDIN PRECURSORS BY ISOLATED ANOXIC RAT LIVER MITOCHONDRIA. Markelonis G, Garbus J *FEBS Lett* 51: 7-10, 1 Mar 75 (Eng)

Garcia PA

LONGITUDINAL STUDY OF AGE AND COHORT INFLUENCES ON DIETARY PATTERNS. Garcia PA, Battese GE, Brewer WD *J Gerontol* 30: 349-56, May 75 (Eng)
ADULT; AGE FACTORS; AGED; ASCORBIC ACID; CALCIUM, DIETARY; DIET; DIETARY CARBOHYDRATES; DIETARY FATS; DIETARY HABITS; DIETARY PROTEINS; FAMILY; FATTY ACIDS; FEMALE; FOOD HABITS; HUMAN; IRON; LINOLEIC ACIDS; MIDDLE AGE; NICOTINIC ACIDS; OLEIC ACIDS; PHOSPHORUS; REGRESSION ANALYSIS; RIBOFLAVIN; THIAMINE; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; VITAMIN A.

Gardiner PF

EXERCISE AND FAT CELLS IN THE RAT. Gardiner PF, Ness GW, Secord DC, Taylor AW *Rev Can Biol* 33: 295-300, Dec 74 (Eng)
ADIPOSE TISSUE (cytology, metabolism); ANIMAL EXPERIMENTS; CELL COUNT; EXERTION; LIPIDS (metabolism); RATS; SWIMMING.

Gardner JW

ACUTE COLD EXPOSURE AND THE METABOLISM OF BLOOD GLUCOSE, LACTATE AND PYRUVATE, AND PLASMA AMINO ACIDS IN THE HIND LEG OF THE FED AND FASTED YOUNG OX. Bell AW, Gardner JW, Manson W, Thompson GE *Br J Nutr* 33: 207-17, Mar 75 (Eng)

Garg KN

EFFECT OF ADRENERGIC BLOCKADE ON FATTY ACID MOBILIZATION. Khosla P, Garg KN *Indian J Med Res* 62: 1486-91, Oct 74 (Eng)

Diabetes Literature—Author Index

Gargantini L

Gargantini L

EFFECT OF PHYSICAL EXERCISE ON SECRETION OF GROWTH HORMONE, GLUCAGON, AND CORTISOL IN OBSE AND DIABETIC CHILDREN. Garlaschi C, di Natale B, del Guercio MJ, Caccamo A, Gargantini L, Chiumello G *Diabetes* 24: 758-61, Aug 75 (Eng)

Garlaschi C

EFFECT OF PHYSICAL EXERCISE ON SECRETION OF GROWTH HORMONE, GLUCAGON, AND CORTISOL IN OBSE AND DIABETIC CHILDREN. Garlaschi C, di Natale B, del Guercio MJ, Caccamo A, Gargantini L, Chiumello G *Diabetes* 24: 758-61, Aug 75 (Eng)
ADOLESCENCE; BLOOD SUGAR (metabolism); CHILD; DIABETES MELLITUS, JUVENILE (physiopathology); EXERTION; FEMALE; GLUCAGON (secretion, blood); GLUCOSE (metabolism); HUMAN; HYDROCORTISONE (secretion, blood); MALE; OBESITY IN DIABETES (physiopathology); OBESITY (physiopathology); SOMATOTROPIN (secretion, blood).

Garrido M

METABOLIC ALKALOSIS IN DIABETIC KETO-SIS. Jimenez JA, Daminano A, Fernandez E, Rodriguez-Rubio F, Garrido M *JAMA* 233: 1193-4, 15 Sep 75 (Eng)

Garrow JS

PROCEEDINGS: A SIMPLE TECHNIQUE FOR THE ESTIMATION OF TISSUE PROTEIN TURNOVER IN MAN. Halliday D, Garrow JS, Rodgers PA *Proc Nutr Soc* 33: 37a-38a, Sep 74 (Eng)

Gavin JR 3d

RADIORECEPTOR ASSAY OF INSULIN: COMPARISON OF PLASMA AND PANCREATIC INSULINS AND PROINSULINS. Gavin JR 3d, Kahn CR, Gorden P, Roth J, Neville DM Jr *J Clin Endocrinol Metab* 41: 438-45, Sep 75 (Eng)
ANIMAL; ANTIGENS (analysis); BINDING, COMPETITIVE; COMPARATIVE STUDY; HUMAN; IN VITRO; INSULIN (analysis, blood); PROINSULIN (analysis, blood); RADIOIMMUNOASSAY; RADIOLIGAND ASSAY; RECEPTORS, HORMONE; SWINE.

Geer JC

A SUGGESTED ROLE FOR HYDROGEN PEROXIDE IN THE BIOSYNTHESIS OF PROSTAGLANDINS. Panganamala RV, Sharma HM, Sprecher H, Geer JC, Cornwell DG *Prostaglandins* 8: 3-11, 10 Oct 74 (Eng)

THE GROSS AND HISTOLOGIC APPEARANCE AND THE LIPID COMPOSITION OF NORMAL INTIMA AND LESIONS FROM HUMAN CORONARY ARTERIES AND AORTA. Panganamala RV, Geer JC, Sharma HM, Cornwell DG *Arteriosclerosis* 20: 93-104, Jul-Aug 74 (Eng)

Gekka M

[EXPERIMENTAL STUDIES ON CARBOHYDRATE METABOLISM IN THE CORNEA. CHEMICAL ANALYSIS OF PROTEIN AND LIPID CONTENT IN THE RAT CORNEA] Gekka M, Komono M *Acta Soc Ophthalmol Jpn* 78: 1102-6, 10 Oct 74 (Jpn)

ANIMAL EXPERIMENTS; CARBOHYDRATES (metabolism); CORNEA (analysis); CORNEAL OPACITY (metabolism, chemically induced); ENGLISH ABSTRACT; FEMALE; FENITROTHION (pharmacodynamics); LIPIDS (analysis); PROTEINS (analysis); RATS.

Geller HM

EFFECT OF GOLDTHIOGLUCOSE ON LONG-TERM CULTURES OF MOUSE HYPOTHALAMUS. Geller HM, Cechner RL, Fleming DG *Neurobiology* 2: 154-61, 1972 (Eng)
ANIMALS, NEWBORN; AUROTHIOGLUCOSE (pharmacodynamics); DEPRESSION;

CHEMICAL; GLUCOSE (metabolism); GOLD (pharmacodynamics); HYPOTHALAMUS (metabolism, cytology); MICE; TIME FACTORS; TISSUE CULTURE; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Gemelli M

[EFFECT OF CARNITINE ON LIPID METABOLISM IN NORMAL CHILDREN] Gemelli M, Corrado V *Boll Soc Ital Biol Sper* 50: 667-72, 30 May 74 (Ita)

AGE FACTORS; CARNITINE (pharmacodynamics); CHILD, PRESCHOOL; CHOLESTEROL (blood); CHROMATOGRAPHY, GAS; FATTY ACIDS, NONESTERIFIED (blood); HUMAN; LIPIDS (metabolism, blood); LIPOPROTEINS (blood); TRIGLYCERIDES (blood).

Genin R

[THE DIABETIC ATONIC ENLARGED BLADDER] Genin R *Acta Urol Belg* 43: 101-6, Jan 75 (Fre)
BLADDER DISEASES (etiology); DIABETES INSIPIDUS (complications); DIABETIC NEUROPATHIES (complications); HUMAN.

Germershausen JI

EFFECT OF HALOFENATE AND CLOFIBRATE ON LIPID SYNTHESIS IN RAT ADIPOCYTES. Greenspan MD, Germershausen JI, Mackow R *Biochim Biophys Acta* 380: 190-8, 20 Feb 75 (Eng)

Gerritzen FM

[DIABETIC RETINOPATHY] Gerritzen FM *Ned Tijdschr Geneesk* 119: 964-9, 14 Jun 75 (Dut)
DIABETIC RETINOPATHY (diagnosis, therapy); FLUORESCENCE ANGIOGRAPHY; HUMAN; HYPOPHYSECTOMY; LIGHT COAGULATION; RETINAL VESSELS.

Gershbein LL

COENZYME SPECIFICITY IN THE GLYCOLYSIS OF INTRAOCULAR FLUIDS. Gershbein LL, Dan TC *Res Commun Chem Pathol Pharmacol* 10: 155-61, Jan 75 (Eng)

ADENOSINE DIPHOSPHATE (pharmacodynamics); ADENOSINE TRIPHOSPHATE (metabolism, pharmacodynamics); ANAEROBIOSIS; ANIMAL EXPERIMENTS; AQUEOUS HUMOR (enzymology); CATTLE; EYE (enzymology); GLYCOLYSIS (drug effects); GUINEA PIGS; IN VITRO; IODOACETATES (pharmacodynamics); LACTATE DEHYDROGENASE (metabolism); NAD (metabolism, pharmacodynamics); NADP (pharmacodynamics); RABBITS; RATS; RHESUS MONKEYS; SPECIES SPECIFICITY; SPECTROPHOTOMETRY, ULTRAVIOLET; TIME FACTORS; VITREOUS BODY (enzymology).

Geser CA

[THE UTILIZATION OF CARBOHYDRATES IN STRESS SITUATIONS] Geser CA *Infusionstherapie* 1: 215-9, Feb 74 (Ger)

AMINO ACIDS (administration & dosage); BICARBONATES (blood); CARBOHYDRATES (metabolism); ENGLISH ABSTRACT; FRUCTOSE (metabolism, administration & dosage); GLUCAGON (blood); GLUCOSE (metabolism, administration & dosage); HUMAN; INSULIN (physiology, blood); LACTATES (blood); LIVER (metabolism); PARENTERAL FEEDING; PHILIPPINES; POSTOPERATIVE CARE; SORBITOL (metabolism, administration & dosage); STRESS (metabolism, diet therapy); XYLITOL (metabolism, administration & dosage).

[UTILIZATION OF CARBOHYDRATES IN STRESS SITUATIONS] Geser CA *Infusionstherapie* 1: 215-9, Feb 74 (Ger)

BICARBONATES (blood); BLOOD; DIETARY CARBOHYDRATES (metabolism, administration & dosage); DRUG COMBINATIONS; ENGLISH

ABSTRACT; FRUCTOSE (metabolism, administration & dosage); GLUCAGON (blood); GLUCOSE (metabolism, administration & dosage); GROWTH SUBSTANCES (blood); HUMAN; INSULIN (blood); LACTATES (blood); PARENTERAL FEEDING; PHILIPPINES; POSTOPERATIVE CARE; STRESS (metabolism); XYLITOL (metabolism, administration & dosage).

Geuze JJ

FUNCTION OF COATED MEMBRANES AND MULTIVESICULAR BODIES DURING MEMBRANE REGULATION IN STIMULATED EXOCRINE PANCREAS CELLS. Geuze JJ, Kramer MF *Cell Tissue Res* 156: 1-20, 1974 (Eng)

ACID PHOSPHATASE (analysis); ANIMAL EXPERIMENTS; AUTORADIOGRAPHY; CELL MEMBRANE (drug effects); CYTOPLASMIC GRANULES (drug effects); ENDOCYTOSIS (drug effects); EXOCYTOSIS (drug effects); EXTRACELLULAR SPACE; FERRITIN; HISTOCYTOCHEMISTRY; MALE; MICROSCOPY, ELECTRON; PANCREAS (cytology, drug effects, secretion, physiology); PLOCARPINE (pharmacodynamics); RATS.

Ghei OK

REGULATION OF C4-DICARBOXYLIC ACID TRANSPORT IN *BACILLUS SUBTILIS*. Ghei OK, Kay WW *Can J Microbiol* 21: 527-36, Apr 75 (Eng)

ASPARTIC ACID (metabolism); *BACILLUS SUBTILIS* (metabolism, enzymology); BIOLOGICAL TRANSPORT, ACTIVE; DICARBOXYLIC ACIDS (metabolism); ENZYME INDUCTION; ENZYME REPRESSION; FUMARATES (metabolism); GLUTAMATES (metabolism); KETOGLUTARATE DEHYDROGENASE COMPLEX (metabolism); KETOGLUTARIC ACIDS (metabolism); MALATES (metabolism); MUTATION; STEREOISOMERS; SUCCINATE DEHYDROGENASE (metabolism); SUCCINATES (metabolism).

Ghirlanda G

BEHAVIOR OF PANCREATIC GLUCAGON, INSULIN, AND HIGH IN LIVER CIRRHOSIS, AFTER ARGININE AND I.V. GLUCOSE. Greco AV, Ghirlanda G, Patrono C, Fedili G, Manna R *Acta Diabetol Lat* 11: 330-9, Jul-Aug 74 (Eng)

Ghosh BK

THE MESOSOME—A CLUE TO THE EVOLUTION OF THE PLASMA MEMBRANE. Ghosh BK *Subcell Biochem* 3: 311-67, Dec 74 (Eng)
ACTINOMYCETALES (physiology); ALGAE, BLUE-GREEN (physiology, ultrastructure); BACTERIA (ultrastructure, physiology); CELL DIVISION; CELL MEMBRANE (physiology, ultrastructure); EVOLUTION; FREEZE ETCHING; FUNGI (physiology); MICROSCOPY, ELECTRON; PENICILLINASE; SPECIES SPECIFICITY; TEMPERATURE.

Gibson KD

ENHANCEMENT OF SOMATOTROPIN TITERS OF NORMAL AND HYPOPITUITARY SERA BY ADDITION OF L-TRIODOOTHYRONONE IN VITRO AT PHYSIOLOGICAL CONCENTRATIONS. Audhya TK, Gibson KD *Proc Natl Acad Sci USA* 72: 604-8, Feb 75 (Eng)

Gil-Ad I

HYPORESPONSIVENESS TO GLUCOPRIVATION DURING POSTNATAL PERIOD IN THE RAT. Gil-Ad I, Udeschini G, Cocchi D, Muller EE *Am J Physiol* 229: 512-7, Aug 75 (Eng)
AGE FACTORS; ANIMAL; ANIMALS, NEWBORN (metabolism); BLOOD SUGAR; COMPARATIVE STUDY; DEOXY SUGARS (pharmacodynamics); DEOXYGLUCOSE

(pharmacodynamics, blood); FEMALE; GLUCOSE (metabolism, pharmacodynamics); HYPERGLYCEMIA (metabolism); INSULIN (blood, secretion); MALE; RATS; RECEPTORS, DRUG.

Gillet M

[PANCREATIC TRANSPLANTATION: ENDOCRINE FUNCTION OF THE GRAFTED PANCREAS. CURRENT DATA AND FUTURE PROSPECTS] Eloy R, Jaek D, Schang JC, Van-nareth T, Gillet M, Grenier JF, Moody AJ *Ann Chir* 29: 559-69, Jun 75 (Fre)

Gilli J

[EFFECT OF PYRIDINOLCARBAMATE ON LIPID METABOLISM OF NORMAL AND ARTERIOSCLEROTIC INTIMA IN HUMAN FEMORAL ARTERIES] Horsch AK, Gilli J, Schreiter U *Verh Dtsch Ges Inn Med* 80: 952-4, 1974 (Ger)

Gillmer MD

CARBOHYDRATE METABOLISM IN PREGNANCY. PART I. DIURNAL PLASMA GLUCOSE PROFILE IN NORMAL AND DIABETIC WOMEN. Gillmer MD, Beard RW, Brooke FM, Oakley NW *Br Med J* 3: 399-402, 16 Aug 75 (Eng)

BLOOD SUGAR; COMPARATIVE STUDY; DIABETES MELLITUS (blood); DIURNAL RHYTHM; FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; HYPERGLYCEMIA; HYPOGLYCEMIA; INSULIN (blood); PREGNANCY IN DIABETES (blood); PREGNANCY.

METABOLIC PROFILES IN PREGNANCY.

Gillmer MD, Oakley NW, Brooke FM, Beard RW *Isr J Med Sci* 11: 601-8, Jun 75 (Eng)
BLOOD SUGAR (analysis); CIRCADIEN RHYTHM; FEMALE; FETUS; GLUCOSE TOLERANCE TEST; GLUCOSE (metabolism); HUMAN; INFANT, NEWBORN; INSULIN (blood); MATERNAL-FETAL EXCHANGE; PREGNANCY IN DIABETES (metabolism, therapy); PREGNANCY.

Ginsberg-Fellner F

FACTITIAL PANNICULITIS AND NECROTIZING FASCITIS IN JUVENILE DIABETES. Oh C, Ginsberg-Fellner F, Dolger H *Diabetes* 24: 856-8, Sep 75 (Eng)

Girard F

THE EFFECTS OF HGH TREATMENT ON SOMATOMEDIN LEVELS IN THE SERUM (AS DETERMINED BY 35-S UPTAKE INTO CARTILAGE). Schimpff RM, Donnadiou M, Gourmelen M, Girard F *Horm Metab Res* 6: 494-8, Nov 74 (Eng)

Girard JR

PHENFORMIN-INDUCED LACTIC ACIDOSIS IN DIABETIC PATIENTS. Assan R, Heuclin C, Girard JR, LeMaire F, Attali JR *Diabetes* 24: 791-800, Sep 75 (Eng)

PLASMA AMINO ACID LEVELS AND DEVELOPMENT OF HEPATIC GLUCONEOGENESIS IN THE NEWBORN RAT. Girard JR, Guillot I, Marty J, Marliss EB *Am J Physiol* 229: 466-73, Aug 75 (Eng)

ACETOACETATES (metabolism); ALANINE (metabolism); AMINO ACIDS (blood); AMINOISOBUTYRIC ACID (blood, metabolism); ANIMAL; ANIMALS, NEWBORN (metabolism); BLOOD SUGAR; FASTING; FATTY ACIDS, NONESTERIFIED (metabolism); GLUCAGON (blood); GLUCONEOGENESIS; GLUTAMINE (metabolism); GLYCERIN (metabolism); HYDROXYBUTYRATES (metabolism); INSULIN (blood); LACTATES (metabolism); LIVER (metabolism); PYRUVATES (metabolism); RATS; SERINE (metabolism).

Giudicelli Y

EFFECTS OF N-ETHYLMALIMIDE ON LIPOLYSIS AND GLUCOSE UPTAKE IN RAT ADIPOSE TISSUE. Giudicelli Y, Fieux MN, Nordmann R *Biomedicine [Express]* 21: 452-6, 20 Nov 74 (Eng)

ADIPOSE TISSUE (metabolism, drug effects); ANIMAL; DOSE-RESPONSE RELATIONSHIP, DRUG; ETHYLMALIMIDE (pharmacodynamics); GLUCOSE (metabolism); INSULIN (pharmacodynamics); LIPID MOBILIZATION (drug effects); MALE; RATS; THEOPHYLLINE (pharmacodynamics).

MODIFICATIONS OF PLASMA POST-HEPARIN LIPOLYTIC ACTIVITY AND TISSUE LIPOPROTEIN LIPASE ACTIVITY INDUCED IN THE RAT BY ACUTE ADMINISTRATION OF ETHANOL OR PROPAN-2-OL. Giudicelli Y, Nordmann R, Nordmann J *Clin Sci Mol Med* 48: 153-6, Feb 75 (Eng)

ADIPOSE TISSUE (enzymology, drug effects); ALCOHOL, ETHYL (pharmacodynamics); ALCOHOL, PROPYL (pharmacodynamics); ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); FASTING; FEMALE; HEART (drug effects); HEPARIN; LIPASE (blood); LIPOPROTEIN LIPASE (metabolism); MYOCARDIUM (enzymology); RATS; TRIGLYCERIDES (blood).

Glassman A

HUMAN GROWTH HORMONE RESPONSE TO LEVODOPA. RELATION TO MENOPAUSE, DEPRESSION, AND PLASMA DOPA CONCENTRATION. Sachar EJ, Altman N, Gruen PH, Glassman A, Halpern FS, Sassini J *Arch Gen Psychiatry* 32: 502-3, Apr 75 (Eng)

Gleason RE

PLASMA LIPID LEVELS IN DIABETIC CHILDREN. EFFECT OF DIET RESTRICTED IN CHOLESTEROL AND SATURATED FATS. Kaufmann RL, Assal JPh, Soeldner JS, Wilmschurst EG, Lemaire JR, Gleason RE, White P *Diabetes* 24: 672-9, Jul 75 (Eng)

Gliedman ML

PANCREATIC TRANSPLANTATION IN NEW YORK. Gliedman ML, Tellis V, Soberman R, Rifkin H, Freed SZ, Veith FJ *Kidney Int [Suppl]* 164-8, Oct 74 (Eng)

ANIMAL; DIABETES MELLITUS, JUVENILE (surgery); DOGS; DRAINAGE; FEMALE; HUMAN; KIDNEY (transplantation); NEPHRECTOMY; NEW YORK CITY; PANCREAS (transplantation); PANCREATIC DUCTS (surgery); TISSUE DONORS; TRANSPLANTATION, HOMOLOGOUS (methods); URETER (surgery).

Gliemann J

INSULIN RECEPTORS IN FAT CELLS: RELATIONSHIP BETWEEN BINDING AND ACTIVATION. Gliemann J, Gammeltoft S, Vinten J *Isr J Med Sci* 11: 656-63, Jul 75 (Eng)

ADIPOSE TISSUE (cytology, drug effects, metabolism); ANIMAL; BINDING SITES; BINDING, COMPETITIVE; CELLS, CULTURED; GLUCOSE (metabolism); INSULIN (metabolism, pharmacodynamics); LIPIDS (biosynthesis); RATS; RECEPTORS, HORMONE.

Glinsmann WH

GLUCOSE REGULATION BY ISOLATED NEAR TERM FETAL MONKEY LIVER. Glinsmann WH, Eisen HJ, Lynch A, Chez RA *Pediatr Res* 9: 600-4, Jul 75 (Eng)

ADENOSINE MONOPHOSPHATE (pharmacodynamics); ANIMAL; ANIMALS, NEWBORN; FEMALE; FETUS (metabolism); GLUCAGON (pharmacodynamics); GLUCOSE (metabolism, secretion); GLYCOGEN SYNTHETASE (metabolism); HYPERGLYCEMIA (metabolism); HYPOGLYCEMIA (metabolism); IN VITRO;

INSULIN (pharmacodynamics); LIVER GLYCOGEN (metabolism); LIVER (metabolism, drug effects); MONKEYS; PERFUSION; PREGNANCY; RHESUS MONKEYS; STREPTOZOTOCIN (pharmacodynamics).

Glyn-Jones R

BLOOD SUGAR IN INFANTILE GASTRO-ENTERITIS. Glyn-Jones R S *Afr Med J* 49: 1474-6, 23 Aug 75 (Eng)

BLOOD SUGAR (analysis); BODY TEMPERATURE; BODY WEIGHT; CHILD, PRESCHOOL; GASTROENTERITIS (blood, complications, mortality); HUMAN; HYPERGLYCEMIA (blood, complications, mortality); HYPOGLYCEMIA (blood, complications, mortality); INFANT; KWASHIORKOR (complications, blood, mortality); PROTEIN-CALORIE MALNUTRITION (complications, blood, mortality); SODIUM (blood).

Glynn IM

THE SODIUM PUMP. Glynn IM, Karlsh SJ *Annu Rev Physiol* 37: 13-55, 1975 (Eng)

ADENOSINE DIPHOSPHATE (metabolism); ADENOSINE TRIPHOSPHATASE (metabolism, isolation & purification); ADENOSINE TRIPHOSPHATE (metabolism); BERYLLIUM (pharmacodynamics); BINDING SITES; BIOLOGICAL TRANSPORT, ACTIVE; CARDIAC GLYCOSIDES (pharmacodynamics); CELL MEMBRANE (metabolism); DICYLOHEXYLCARBODIIMIDE (pharmacodynamics); ERYTHROCYTES (metabolism); ETHYLMALIMIDE (pharmacodynamics); FLUORIDES (pharmacodynamics); HUMAN; KINETICS; LIGANDS; MAGNESIUM; MICROSOMES (metabolism); MODELS, BIOLOGICAL; OUABAIN (pharmacodynamics); PHOSPHATES (metabolism); POTASSIUM (metabolism); SODIUM (metabolism); WATER (metabolism).

Gmyria AI

[SOME INDICES OF CARBOHYDRATE METABOLISM IN THE TISSUES OF THE EYE UNDER THE INFLUENCE OF SILICON-CONTAINING DUST AND RADIANT HEAT IN EXPERIMENT] Gmyria AI, Antonova AI *Oftalmol Zh* 30: 26-8, 1975 (Rus)

ANIMAL EXPERIMENTS; CARBOHYDRATES (metabolism); CORNEA (metabolism); DUST; ENGLISH ABSTRACT; EYE (metabolism); GLYCOGEN (metabolism); HEAT; LACTATES (metabolism); MALE; OXYGEN CONSUMPTION; RATS; SILICON.

Goetz FC

RENAL TRANSPLANTATION IN INSULIN-DEPENDENT DIABETIC PATIENTS. Kjellstrand CM, Shideman JR, Simmons RL, Buselmeier TJ, von Hartitzsch B, Goetz FC, Najarian JS *Kidney Int [Suppl]* 15-20, Oct 74 (Eng)

NEUROPATHY, RETINOPATHY AND BIOPSY FINDINGS IN TRANSPLANTED KIDNEY IN DIABETIC PATIENTS. Barbosa J, Burke B, Buselmeier TJ, Carpenter AM, Goetz FC, Harris J, Kennedy WR, Kjellstrand CM, Michael AF, Najarian JS, Recker L *Kidney Int [Suppl]* 32-6, Oct 74 (Eng)

Gogibedashvili NV

[CHANGES OF THE SOMATIC PERIPHERAL NERVOUS SYSTEM IN DIABETES MELLITUS] Lekishvili VP, Gogibedashvili NV, Khoshartaria NK *Sov Med* 136-7, Jun 75 (Rus)

Goldfischer S

ARTERIAL LYOSOMES AND CONNECTIVE TISSUE IN PRIMATE ATHEROSCLEROSIS AND HYPERTENSION. Wolinsky H, Goldfischer S, Daly MM, Kasak LE, Colloff-Schiller B *Circ Res* 36: 553-61, Apr 75 (Eng)

Diabetes Literature—Author Index

Goldin HH

Goldin HH

FATTY ACID BIOSYNTHESIS BY ISOLATED MITOCHONDRIA FROM *DROSOPHILA MELANOGASTER*. Goldin HH, Keith AD *J Insect Physiol* 14: 887-99, Jul 68 (Eng)
ANIMAL EXPERIMENTS; *DROSOPHILA MELANOGASTER* (ultrastructure, metabolism); FATTY ACIDS (biosynthesis); IN VITRO; MITOCHONDRIA (metabolism); OXIDATIVE PHOSPHORYLATION.

Goldman MH

NEUROPATHY IN TRANSPLANTED DIABETIC PATIENTS. Wilson RE, Goldman MH, Yen MC, Kassissieh SD, Strom T, Kahn CB *Kidney Int [Suppl]* 90-4, Oct 74 (Eng)

Goldstein HH

HEMODIALYSIS-RELATED PROBLEMS IN PATIENTS WITH DIABETES MELLITUS. Kaississieh SD, Yen MC, Lazarus M, Lowrie EG, Goldstein HH, Takacs FJ, Hampers CL, Merrill JD *Kidney Int [Suppl]* 100-7, Oct 74 (Eng)

Goldstein JL

USE OF MUTANT FIBROBLASTS IN THE ANALYSIS OF THE REGULATION OF CHOLESTEROL METABOLISM IN HUMAN CELLS. Brown MS, Brannan PG, Bohmfalk HA, Brunschede GY, Dana SE, Helgeson J, Goldstein JL *J Cell Physiol* 85: 425-36, Apr 75 (Eng)

Gollan JL

THE EFFECT OF CARBENOXOLONE SODIUM ON THE PLASMA 11 HYDROXYCORTICOID LEVELS IN CHRONIC GASTRIC ULCERATION. Gollan JL, Hecker R, Mackinnon AM *Aust NZ J Med* 5: 231-4, Jun 75 (Eng)
ADULT; AGED; BLOOD SUGAR (analysis); CARBENOXOLONE (pharmacodynamics, therapeutic use); CHRONIC DISEASE; CIRCADIAN RHYTHM (drug effects); DEXAMETHASONE (pharmacodynamics); FEMALE; HUMAN; HYDROCORTISONE (blood); INSULIN (pharmacodynamics); MALE; MIDDLE AGE; SOMATOTROPIN (blood); STOMACH ULCER (blood, drug therapy); TRITERPENES (pharmacodynamics).

Golstein J

MONTHLY VARIATIONS OF SERUM LEVELS OF THYROTROPIN, GROWTH HORMONE AND CORTISOL IN MAN. Golstein J, Van Cauter E, Leclercq R, Copinschi G, Vanhaelst L *Horm Metab Res* 6: 506-9, Nov 74 (Eng)
ADULT; CONTRACEPTIVES, ORAL; FEMALE; HUMAN; HYDROCORTISONE (blood); MALE; PERIODICITY; RADIOIMMUNOASSAY; SOMATOTROPIN (blood); THYROTROPIN (blood); TIME FACTORS; TIME.

Goltzmann D

ANALYSIS OF THE REQUIREMENTS FOR PARATHYROID HORMONE ACTION IN RENAL MEMBRANES WITH THE USE OF INHIBITING ANALOGUES. Goltzmann D, Peytremann A, Callahan E, Tregear GW, Potts JT Jr *J Biol Chem* 250: 3199-203, 25 Apr 75 (Eng)
ADENYL CYCLASE (metabolism); ANIMAL EXPERIMENTS; CALCITONIN (pharmacodynamics); CATTLE; CELL MEMBRANE (metabolism, drug effects); ENZYME ACTIVATION (drug effects); FLUORIDES (pharmacodynamics); KIDNEY CORTEX (metabolism, drug effects); KINETICS; PARATHYROID HORMONE (analogs & derivatives, pharmacodynamics); RATS; RECEPTORS, HORMONE; SALMON; STRUCTURE-ACTIVITY RELATIONSHIP; TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Goodner CJ

ADAPTATION TO FASTING IN BABOON. II. REGULATION OF LIPOLYSIS EARLY AND LATE IN FASTING. Koerker DJ, Goodner CJ, Chideckel EW, Ensineck JW *Am J Physiol* 229: 350-4, Aug 75 (Eng)

Gorden P

RADIORECEPTOR ASSAY OF INSULIN: COMPARISON OF PLASMA AND PANCREATIC INSULINS AND PROINSULINS. Gavin JR 3d, Kahn CR, Gorden P, Roth J, Neville DM Jr *J Clin Endocrinol Metab* 41: 438-45, Sep 75 (Eng)

CIRCULATING NSILA-S IN MAN: PRELIMINARY STUDIES OF STIMULI IN VIVO AND OF BINDING TO PLASMA COMPONENTS. Megyesi K, Kahn CR, Roth J, Gorden P *J Clin Endocrinol Metab* 41: 475-84, Sep 75 (Eng)

Gordon T

CHANGES ASSOCIATED WITH QUITTING CIGARETTE SMOKING: THE FRAMINGHAM STUDY. Gordon T, Kannel WB, Dawber TR, McGee D *Am Heart J* 190: 322-8, Sep 75 (Eng)
ADULT; AGE FACTORS; ALCOHOL DRINKING; BLOOD PRESSURE; BLOOD SUGAR; BODY WEIGHT; CHOLESTEROL (blood); DIABETES MELLITUS; FEMALE; FOLLOW-UP STUDIES; HUMAN; MALE; MASSACHUSETTS; MIDDLE AGE; SEX FACTORS; SMOKING (occurrence); URIC ACID (blood); VITAL CAPACITY.

Goriacheva LA

[GLUCOSE TRANSPORT INTO MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII CELLS] Panchenko LF, Fedotov NS, Goriacheva LA, Tarshis MA *Dokl Akad Nauk SSSR* 221: 487-9, 1975 (Rus)

Gorina AB

[CARDIOVASCULAR COMPLICATIONS OF HYPEROSMOLAR DIABETIC COMA. STUDY OF 4 CASES] Ramon JS, Daroca JC, Perez JF, Frances JM, Gorina AB *Rev Clin Esp* 137: 521-6, 30 Jun 75 (Spa)

Gorman RR

INHIBITION OF BASAL AND HORMONE-STIMULATED ADENYLATE CYCLASE IN ADIPOCYTE GHOSTS BY THE PROSTAGLANDIN ENDOPEROXIDE PROSTAGLANDIN H₂. Gorman RR, Hamberg M, Samuelsson B *J Biol Chem* 250: 6460-3, 25 Aug 75 (Eng)
ADENYL CYCLASE (metabolism, antagonists & inhibitors); ADIPOSE TISSUE (enzymology, drug effects); ANIMAL; CELL MEMBRANE (enzymology, drug effects); CORTICOTROPIN (pharmacodynamics); ENZYME ACTIVATION (drug effects); EPINEPHRINE (pharmacodynamics); GLUCAGON (pharmacodynamics); IN VITRO; KINETICS; MALE; PEROXIDES (pharmacodynamics); PROSTAGLANDINS (pharmacodynamics); RATS; THEOPHYLLINE (pharmacodynamics); THYROTROPIN (pharmacodynamics); 3,5-CYCIC AMP PHOSPHODIESTERASE (metabolism).

Gornicki B

[STUDIES UPON THE EFFECT OF AGE AND NUTRITIONAL FACTORS ON LIPID AND PROTEIN METABOLISM IN INFANTS (AUTHORS TRANSL)] Gornicki B, Litwin E, Krukowa A, Kleczkowska H, Rodkiewicz B, Kowalczyk Z, Dzieniszewska L, Wachnik Z, Symonowicz H *Probl Med Wieku Rozwoj* 1: 33-70, 1972 (Pol)
AGE FACTORS; ANALYSIS OF VARIANCE; ANIMAL EXPERIMENTS; BODY HEIGHT; DIETARY CARBOHYDRATES (administration & dosage); DIETARY FATS (administration & dosage); DIETARY PROTEINS (administration &

dosage); ENGLISH ABSTRACT; INFANT NUTRITION; INFANT; LIPIDS (metabolism); PROTEINS (metabolism); TIME FACTORS.

[STUDIES ON THE EFFECT OF MODE OF NUTRITION ON SOMATIC DEVELOPMENT OF INFANTS. COMMUNICATION II. DEVELOPMENT OF SUBCUTANEOUS FATTY TISSUE IN INFANTS (AUTHORS TRANSL)] Gornicki B, Dzieniszewska-Klepcka L, Litwin E *Probl Med Wieku Rozwoj* 2: 27-43, 1972 (Pol)
ADIPOSE TISSUE; AGE FACTORS; BODY HEIGHT; BODY WEIGHT; DIETARY FATS (administration & dosage); ENGLISH ABSTRACT; FEMALE; GROWTH; HUMAN; INFANT NUTRITION; INFANT; INFANT, NEWBORN; MALE; SEASONS; SKINFOLD THICKNESS.

Gosheva-Antonova Ts

[ALTERATIONS IN PLASMA INSULIN AND BLOOD GLUCOSE DURING ANESTHESIA AND SURGERY] Gosheva-Antonova Ts, Turkolev N *Khirurgia (Sofia)* 27: 487-92, 1974 (Bul)

ADOLESCENCE; ADULT; ANESTHESIA, GENERAL; BLOOD SUGAR (metabolism); ENGLISH ABSTRACT; FEMALE; HUMAN; INSULIN (blood); SURGERY, OPERATIVE.

Gospodarowicz D

PURIFICATION OF A FIBROBLAST GROWTH FACTOR FROM BOVINE PITUITARY. Gospodarowicz D *J Biol Chem* 250: 2515-20, 10 Apr 75 (Eng)
AMINO ACIDS (analysis); ANIMAL EXPERIMENTS; BIOLOGICAL ASSAY; CATTLE; CELL DIVISION (drug effects); CELLS, CULTURED; CHROMATOGRAPHY, ION EXCHANGE; DANSYL COMPOUNDS; DNA REPLICATION (drug effects); DNA (biosynthesis); ELECTROPHORESIS, DISC; ELECTROPHORESIS, POLYACRYLAMIDE GEL; FIBROBLASTS (metabolism, drug effects); GALACTOSAMINE (analysis); GEL FILTRATION; GLUCOSAMINE (analysis); GROWTH SUBSTANCES (isolation & purification, pharmacodynamics); MICE; MOLECULAR WEIGHT; OVARY (drug effects); PITUITARY GLAND (analysis); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Gossain VV

PLASMA RENIN ACTIVITY IN JUVENILE DIABETES MELLITUS AND EFFECT OF DIAZOXIDE. Gossain VV, Werk EE, Sholiton LJ, Srivastava L, Knowles HC Jr *Diabetes* 24: 833-5, Sep 75 (Eng)
ADULT; BLOOD SUGAR (metabolism); DIABETES MELLITUS (enzymology); DIABETES MELLITUS, JUVENILE (enzymology); DIABETIC NEPHROPATHIES (enzymology); DIAZOXIDE (diagnostic use); FEMALE; HUMAN; HYDROCORTISONE (blood); HYPERTENSION (enzymology); MALE; RENIN (blood); TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Got R

[TRANSFER OF GLUCOSE FROM UDP-GLUCOSE IN MICROSOMAL MEMBRANES OF RAT HEPATOCYTES (AUTHORS TRANSL)] Berthillier G, Azzar GJ, Got R *Eur J Biochem* 51: 275-82, 3 Feb 75 (Fre)

Goto K

[COMPARISON OF INSULIN REACTIONS IN VARIOUS DISEASES TO GLUCOSE, ARGinine, AND GLUCAGON] Taminato A, Inoue Y, Mori K, Goto K, Kurahachi H *Clin Endocrinol (Tokyo)* 23: 373-9, Apr 75 (Jpn)

Gottschling D

CATABOLISM OF PROINSULIN AND INSULIN. PROTEOLYTIC ACTIVITIES IN LANGER-

HANS ISLETS OF RAT AND MICE PANCREAS IN VITRO. Zuhlke H, Jahr H, Schmidt S, Gottschling D, Wilke B, Kansy H, Kaleta C, Pieper I *Acta Biol Med Ger* 33: 407-18, 1974 (Eng)

Gotz M

INHIBITION OF GROWTH HORMONE AND THYROTROPIN RELEASE BY GROWTH HORMONE-RELEASE INHIBITING HORMONE. Belanger A, Labrie F, Borgeat P, Savary M, Cote J, Drouin J, Schally AV, Coy DH, Coy EJ, Sestanj K, Nelson V, Gotz M, Immer H *Mol Cell Endocrinol* 1: 329-39, Oct 74 (Eng)

Goubeaud G

[RELATIONSHIP BETWEEN UREMIA POLYNEUROPATHY, UREMIC GLUCOSE METABOLISM DISORDER AND SEVERITY OF UREMIC INTOXICATION IN DIALYSIS PATIENTS] Goubeaud G, Kunze K, Hohmann KH, Schutterle G, Biro G *Verh Dtsch Ges Inn Med* 80: 728-31, 1974 (Ger)

GLUCOSE (metabolism); HEMODIALYSIS; KIDNEY FAILURE, CHRONIC (therapy); METABOLIC DISEASES (etiology); NERVOUS SYSTEM DISEASES (etiology); UREMIA (complications).

Gourmelin M

THE EFFECTS OF HIGH TREATMENT ON SOMATOMEDIN LEVELS IN THE SERUM (AS DETERMINED BY 35-S UPTAKE INTO CARTILAGE). Schimpff RM, Donnadiu M, Gourmelin M, Girard F *Horm Metab Res* 6: 494-8, Nov 74 (Eng)

Govoni P

[USE OF GLUCAGON IN SMALL DOSES AND REINFUSION OF DESALTED AND CONCENTRATED ASCITIC FLUID IN THE THERAPY OF REFRACTORY CARDIAC DECOMPENSATION] Vancini B, Govoni P, Caio M *Boll Soc Ital Cardiol* 19: 401-7, 1974 (Ita)

Grafnetter D

[HYPERLIPIDEMIA AND HYPERLIPOPROTEINEMIA AMONG THE RELATIVES OF DIABETIC PATIENTS] Valek J, Grafnetter D, Slabochova Z, Platilova H *Cas Lek Cesk* 114: 837-40, 4 Jul 75 (Cze)

Grambort DE

LONG TERM STUDIES OF PANCREAS TRANSPLANTATION IN EXPERIMENTAL DIABETES MELLITUS. Orloff MJ, Lee S, Charters AC 3d, Grambort DE, Storck LG, Knox D *Ann Surg* 182: 198-206, Sep 75 (Eng)

Gras J

ACUTE RENAL INSUFFICIENCY IN THE RABBIT BY GLYCEROL. Gras J, Tuset N, de Vega F, Cisar F, Navarro J, del Valle O *Rev Esp Fisiol* 31: 1-3, Mar 75 (Eng)

ANIMAL; CARBON DIOXIDE (blood); DISEASE MODELS, ANIMAL; GLYCERIN; GLYCOSURIA (etiology); HEMOGLOBINURIA (etiology); KIDNEY FAILURE, ACUTE (chemically induced, blood, urine); PROTEINURIA (etiology); RABBITS; TIME FACTORS; WATER-ELECTROLYTE BALANCE.

Gravskaja BM

[ROLE OF HOMEOSTASIS IN ANIMAL RADIOSENSITIVITY] Gravskaja BM, Nechaev IA, Zolotareva NN *Zh Obshch Biol* 36: 135-41, Jan-Feb 1975 (Rus)

ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); ENGLISH ABSTRACT; EPINEPHRINE; HOMEOSTASIS; LEUKOCYTE COUNT; MALE; RADIATION EFFECTS; RATS.

Greco AV

BEHAVIOR OF PANCREATIC GLUCAGON, INSULIN, AND HIGH IN LIVER CIRRHOSIS, AFTER ARGININE AND LV. GLUCOSE. Greco AV, Ghirlanda G, Patrono C, Fedili G, Manna R *Acta Diabetol Lat* 11: 330-9, Jul-Aug 74 (Eng)

ADULT; ARGININE (diagnostic use); GLUCAGON (blood, secretion); GLUCOSE TOLERANCE TEST; HUMAN; INSULIN (blood); LIVER CIRRHOSIS (blood); MALE; MIDDLE AGE; PANCREAS (secretion); SOMATOTROPIN (blood).

Green ME

NOISE MEASUREMENTS ON ION TRANSPORT ACROSS ION EXCHANGE MEMBRANES. Green ME *Ion Exch Membr* 2: 47-50, 1974 (Eng)

IONS; MATHEMATICS; MEMBRANES, ARTIFICIAL; NOISE; PHOSPHATES, INORGANIC; PHYSICS.

Green W

GASTRIC OPERATIONS AND GLUCOSE HOMEOSTASIS. II. GLUCAGON AND SECRETIN. Breuer RI, Zuckerman L, Hauch TW, Green W, OGara P, Lawrence AM, Foa PP, Matsuyama T *Gastroenterology* 69: 598-606, Sep 75 (Eng)

Greenberg MS

GENERAL DENTISTRY AND ORAL MEDICINE IN THE HOSPITAL. Greenberg MS *Dent Clin North Am* 19: 643-56, Oct 75 (Eng)

ADRENAL CORTEX HORMONES; ANESTHESIA, DENTAL; ANTICOAGULANTS; CHRONIC DISEASE; COUMARINS; DIABETES MELLITUS; ERYTHEMA MULTIFORME; FEVER OF UNKNOWN ORIGIN; GINGIVITIS; HEPARIN; HERPANGINA; HERPES ZOSTER; HERPESVIRUS INFECTIONS; HOSPITAL COMMUNICATION SYSTEMS; HOSPITAL DENTAL SERVICE; HUMAN; MONOAMINE OXIDASE INHIBITORS; MOUTH DISEASES; NEUTROPENIA; RECURRENCE; REFERRAL AND CONSULTATION; STOMATITIS, APHTHOUS; TOOTH DISEASES (therapy); ULCER.

Greenspan MD

EFFECT OF HALOFENATE AND CLOFIBRATE ON LIPID SYNTHESIS IN RAT ADIPOCYTES. Greenspan MD, Gersmehausen JI, Muckow R *Biochim Biophys Acta* 380: 190-8, 20 Feb 75 (Eng)

ADIPOSE TISSUE (metabolism, drug effects); ANIMAL EXPERIMENTS; CITRATES (pharmacodynamics); CLOFIBRATE (pharmacodynamics); FATTY ACIDS (biosynthesis); GLUCOSE (metabolism); GLYCOLATES (pharmacodynamics); HALOFENATE (pharmacodynamics); IN VITRO; KYNURENIC ACID (pharmacodynamics); LEUCINE (metabolism); OLEIC ACIDS (metabolism); PALMITIC ACIDS (metabolism); PEPTIDES (pharmacodynamics); PYRUVATES (metabolism); RATS.

Grenier JF

[PANCREATIC TRANSPLANTATION: ENDOCRINE FUNCTION OF THE GRAFTED PANCREAS. CURRENT DATA AND FUTURE PROSPECTS] Eloy R, Jaek D, Schang JC, Van-nareth T, Gillet M, Grenier JF, Moody AJ *Ann Chir* 29: 559-69, Jun 75 (Fre)

Greopoulos DG

MAINTENANCE PERITONEAL DIALYSIS AS AN ALTERNATIVE IN THE PATIENT WITH DIABETES MELLITUS AND END-STAGE UREMIA. Blumenkrantz MJ, Shapiro DJ, Mimura N, Greopoulos DG, Griedler RM, Levin S, Tenckhoff H, Coburn JW *Kidney Int [Suppl]* 108-14, Oct 74 (Eng)

Greupner E

[IRREVERSIBLE AND IRREVERSIBLE HEMORRHAGIC SHOCK IN RATS. METHODS AND RESULTS OF A STANDARDIZED SHOCK MODEL (AUTHORS TRANSL)] Flenker H, Greupner E *Beitr Pathol* 153: 339-52, 1974 (Ger)

Grgic A

AGE-ADJUSTED ANALYSIS OF INSULIN RESPONSES DURING NORMAL AND ABNORMAL GLUCOSE TOLERANCE TESTS IN CHILDREN AND ADOLESCENTS. Rosenbloom AL, Wheeler L, Bianchi R, Chin FT, Tiwary CM, Grgic A *Diabetes* 24: 820-8, Sep 75 (Eng)

Griedler RM

MAINTENANCE PERITONEAL DIALYSIS AS AN ALTERNATIVE IN THE PATIENT WITH DIABETES MELLITUS AND END-STAGE UREMIA. Blumenkrantz MJ, Shapiro DJ, Mimura N, Greopoulos DG, Griedler RM, Levin S, Tenckhoff H, Coburn JW *Kidney Int [Suppl]* 108-14, Oct 74 (Eng)

Gries FA

[RISK FACTOR HYPERLIPIDEMIA: CLINICAL ASPECTS AND THERAPY] Gries FA *Med Welt* 26: 1590-7, 5 Sep 75 (Ger)

ADULT; AGED; ARTERIOSCLEROSIS (complications); DIABETES MELLITUS (complications); FEMALE; HUMAN; HYPERLIPIDEMIA (complications, diagnosis, therapy); MALE; MIDDLE AGE.

Grill V

DECREASED CYCLIC AMP AND INSULIN RESPONSE TO GLUCOSE IN ISOLATED ISLETS OF NEONATAL RATS. Grill V, Asplund K, Hellerstrom C, Cerasi E *Diabetes* 24: 746-52, Aug 75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ADENYL CYCLASE (metabolism); AGE FACTORS; ANIMAL; ANIMALS, NEWBORN; DNA (metabolism); FEMALE; FETUS (metabolism); GLUCAGON (metabolism); GLUCOSE (pharmacodynamics); INSULIN (secretion, metabolism); ISLANDS OF LANGERHANS (metabolism); MALE; PREGNANCY; RATS; XANTHINES (pharmacodynamics).

DEFECTIVE INSULIN SECRETION IN THE SPINY MOUSE (ACOMYS CAHIRINUS). POSSIBLE VALUE IN THE STUDY OF THE PATHOPHYSIOLOGY OF DIABETES. Rabinovitch A, Gutzeit A, Grill V, Kikuchi M, Renold AE, Cerasi E *Isr J Med Sci* 11: 730-7, Jul 75 (Eng)

Grimes DS

LETTER: ORAL HYPOGLYCAEMIC AGENTS IN DIABETES MELLITUS. Grimes DS *Lancet* 2: 616, 27 Sep 75 (Eng)

ADMINISTRATION, ORAL; CARDIOVASCULAR DISEASES (chemically induced, mortality); DIABETES MELLITUS (complications); HUMAN; HYPOGLYCAEMIC AGENTS (adverse effects, administration & dosage).

Grisham JW

INSULIN AND HYDROCORTISONE EFFECTS ON VIABILITY AND GLYCOCEN STORES OF POSTNATAL RAT LIVER ORGAN CULTURE. Reed GB, Grisham JW *Lab Invest* 33: 298-304, Sep 75 (Eng)

Grodau K

PROCEEDINGS: HEXOKINASE ACTIVITY AND CORNEAL NUTRITION. Reim M, Grodau K, Kuhr M *Exp Eye Res* 20: 179, Feb 75 (Eng)

Diabetes Literature—Author Index

Groot PH

Groot PH

THE ACTIVATION OF SHORT-CHAIN FATTY ACIDS BY THE SOLUBLE FRACTION OF GUINEA-PIG HEART AND LIVER MITOCHONDRIA. THE SEARCH FOR A DISTINCT PROPIONYL-COA SYNTHETASE. Groot PH *Biochim Biophys Acta* 380: 12-20, 24 Jan 75 (Eng)

ACETIC ACIDS (metabolism); ANIMAL EXPERIMENTS; BINDING; COMPETITIVE; BUTYRATES (metabolism); CARBON RADIOISOTOPES; COENZYME A SYNTHETASES (metabolism); COMPARATIVE STUDY; GUINEA PIGS; KINETICS; MITOCHONDRIA (enzymology); MITOCHONDRIA, LIVER (enzymology); MYOCARDIUM (enzymology); PROPIONATES (metabolism); PROTEIN BINDING.

Gruen PH

HUMAN GROWTH HORMONE RESPONSE TO LEVODOPA. RELATION TO MENOPAUSE, DEPRESSION, AND PLASMA DOPA CONCENTRATION. Sachar EJ, Altman N, Gruen PH, Glassman A, Halpern FS, Sassin J *Arch Gen Psychiatry* 32: 502-3, Apr 75 (Eng)

Grumet FC

CHARACTERIZATION OF ERYTHROCYTE MEMBRANE-ASSOCIATED ENZYMES (GLYCERALDEHYDE-3-PHOSPHATE DEHYDROGENASE AND PHOSPHOGLYCERIC KINASE). Schrier SL, Ben-Bassat I, Junga I, Seeger M, Grumet FC *J Lab Clin Med* 85: 797-810, May 75 (Eng)

Grunevskia B

[HEMOSTASIS IN COMATOUS AND SUBCOMATOUS PATIENTS WITH VIRAL HEPATITIS] Velkova-Simova N, Grunevskia B *God Zb Med Fak Skopje* 17: 177-86, 1971 (Ser)

Grunst J

[METABOLISM OF THE SPLANCHNIC REGION AS INFLUENCED BY FRUCTOSE] Dietze G, Wicklmayr M, Hepp KD, Grunst J, Stiegler G, Mehnert H *Infusions therapie* 1: 525-5, Oct 74 (Ger)

[THE METABOLISM OF THE SPLANCHNIC REGION UNDER THE INFLUENCE OF FRUCTOSE] Dietze G, Wicklmayr M, Hepp KD, Grunst J, Stiegler G, Mehnert H *Infusions therapie* 1: 552-5, Oct 74 (Ger)

Guansing AR

THE EFFECT OF HYPOGLYCEMIA ON HYPOTHALAMIC THYROTROPIN-RELEASING HORMONE (HRH) IN THE RAT. Leung Y, Guansing AR, Ajlouni K, Hagen TC, Rosenfeld PS, Barbieri JJ *Endocrinology* 97: 380-4, Aug 75 (Eng)

Guggenheim K

EFFECTS OF CARBOHYDRATE-FREE DIETS ON THE INSULIN-CARBOHYDRATE RELATIONSHIPS IN RATS. Carmel N, Konijn AM, Kaufman NA, Guggenheim K *J Nutr* 105: 1141-9, Sep 75 (Eng)

Gugler E

[BARTTERS SYNDROME AND TUBULAR FUNCTIONAL DISTURBANCES] Fricker H, Frey K, Vallotton MB, Gugler E *Helv Paediatr Acta* 30: 61-77, May 75 (Ger)

Guiheneuc P

[ACQUIRED ULCERO-MUTILATING ACROPATHIES IN ADULTS. CRITICAL STUDY OF 150 PERSONAL CASES] Barriere H, Litoux P, Bureau B, Guiheneuc P, Welin J *Sem Hop Paris* 51: 595-9, 20 Feb 75 (Fre)

Guillet I

PLASMA AMINO ACID LEVELS AND DEVELOPMENT OF HEPATIC GLU-

CONEOGENESIS IN THE NEWBORN RAT. Girard JR, Guillet I, Marty J, Marliss EB *Am J Physiol* 229: 466-73, Aug 75 (Eng)

Gulik-Krzywicki T

STRUCTURAL STUDIES OF THE ASSOCIATIONS BETWEEN BIOLOGICAL MEMBRANE COMPONENTS. Gulik-Krzywicki T *Biochim Biophys Acta* 415: 1-28, 25 Mar 75 (Eng) [152]

ANIMAL EXPERIMENTS; BINDING SITES; CELL MEMBRANE (ultrastructure, analysis); EGG YOLK; ENCEPHALITIC BASIC PROTEINS (analysis); FREEZE ETCHING; FROGS; LECITHINS; LIPIDS (analysis); LIPOSOMES; MEMBRANES (ultrastructure, analysis); MICROSCOPY, ELECTRON; MOLECULAR CONFORMATION; PHOSPHOLIPIDS (analysis); PROTEINS (analysis); REVIEW; RHODOPSIN; SOLUBILITY; SURFACE-ACTIVE AGENTS; WATER; X-RAY DIFFRACTION.

Guthrie DW

DIABETES IN ADOLESCENCE. Guthrie DW, Guthrie RA *Am J Nurs* 75: 1740-4, Oct 75 (Eng)

ACHIEVEMENT; ADAPTATION, PSYCHOLOGICAL; ADOLESCENCE; DIABETES MELLITUS (therapy); DIABETES MELLITUS, JUVENILE; HUMAN; MOTIVATION; PATIENTS (education); PUBERTY; SCHOOL HEALTH; SELF PERCEPTION; SOCIAL ADJUSTMENT.

Guthrie RA

DIABETES IN ADOLESCENCE. Guthrie DW, Guthrie RA *Am J Nurs* 75: 1740-4, Oct 75 (Eng)

Gutman A

HYPERINSULINEMIA, INSULIN RESISTANCE AND CATARACT FORMATION IN SAND RATS. Gutman A, Andreus A, Adler JH *Isr J Med Sci* 11: 714-22, Jul 75 (Eng)

ADIPOSE TISSUE (metabolism); ANIMAL; CATARACT (metabolism); COMPARATIVE STUDY; DIET; DISEASE MODELS, ANIMAL; DULCITOL (analysis); GLUCOSE (metabolism); HYPERGLYCEMIA (etiology); HYPERINSULINISM (metabolism); INSULIN RESISTANCE; LENS, CRYSTALLINE (analysis); PLANTS, EDIBLE; RATS (metabolism); RODENT DISEASES (metabolism); SORBITOL (analysis).

Gutzeit A

DEFECTIVE INSULIN SECRETION IN THE SPINY MOUSE (ACOMYS CAHIRINUS). POSSIBLE VALUE IN THE STUDY OF THE PATHOPHYSIOLOGY OF DIABETES. Rabinovitch A, Gutzeit A, Grill V, Kikuchi M, Renold AE, Cerasi E *Isr J Med Sci* 11: 730-7, Jul 75 (Eng)

Haas RA

GLUCOSE UPTAKE IN THE BRAINSTEM OF THIAMINE-DEFICIENT RATS. Robertson DM, Manz HJ, Haas RA, Meyers N *Am J Pathol* 79: 107-18, Apr 75 (Eng)

Habener JF

MICROTUBULES AND THE INTRACELLULAR CONVERSION OF PROPARATHYROID HORMONE TO PARATHYROID HORMONE. Kemper B, Habener JF, Rich A, Potts JT Jr *Endocrinology* 96: 903-12, Apr 75 (Eng)

Hackenbrock CR

A SCANNING AND STEREOGRAPHIC ULTRASTRUCTURAL ANALYSIS OF THE ISOLATED INNER MITOCHONDRIAL MEMBRANE DURING CHANGE IN METABOLIC ACTIVITY. Andrews PM, Hackenbrock CR *Exp Cell Res* 90: 127-36, Jan 75 (Eng)

Haft JI

COMBINED HYPERLIPOPROTEINEMIA. EVIDENCE FOR A NEW LIPOPROTEIN PHENOTYPE. Rose HG, Kranz P, Weinstock M, Juliano J, Haft JI *Atherosclerosis* 20: 51-64, Jul-Aug 74 (Eng)

Hageman FC

THE EFFECT OF FETAL HYPOPHYSECTOMY ON PLACENTAL BIOSYNTHESIS OF PROGESTERONE IN RHESUS. Hageman FC, Baughman WL, Kittinger GW *Endocrinology* 96: 1059-62, Apr 75 (Eng)

ANIMAL EXPERIMENTS; FEMALE; FETUS (physiology); GENOTYPE; HYPOPHYSECTOMY; MACACA; MALE; MATERNAL-FETAL EXCHANGE; PITUITARY GLAND (embryology); PLACENTA (metabolism); PREGNANCY; PREGNANCY, ANIMAL; PREGNENOLONE (metabolism); PROGESTERONE (biosynthesis); SEX FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Hagen TC

THE EFFECT OF HYPOGLYCEMIA ON HYPOTHALAMIC THYROTROPIN-RELEASING HORMONE (HRH) IN THE RAT. Leung Y, Guansing AR, Ajlouni K, Hagen TC, Rosenfeld PS, Barbieri JJ *Endocrinology* 97: 380-4, Aug 75 (Eng)

EFFECT OF GLUCOSE ON THE GROWTH HORMONE RESPONSE TO L-DOPA IN NORMAL AND DIABETIC SUBJECTS. Ajlouni K, Martinson DR, Hagen TC *Diabetes* 24: 633-6, Jul 75 (Eng)

Hagenfeldt L

GLUCOSE AND FREE FATTY ACID UTILIZATION IN EXERCISE. STUDIES IN NORMAL AND DIABETIC MAN. Wahren J, Hagenfeldt L, Felig P *Isr J Med Sci* 11: 551-9, Jun 75 (Eng)

Haight GP

MECHANISMS FOR ELECTRON TRANSFER ASSISTED PHOSPHORYLATION, AND ATP HYDROLYSIS. Haight GP, Scott RA, Woltermann GM *Physiol Chem Phys* 6: 375-8, 1974 (Eng)

ADENOSINE TRIPHOSPHATE (metabolism); BINDING SITES; ELECTRON TRANSPORT; HYDROLYSIS; MANGANESE; MODELS, BIOLOGICAL; OXIDATION-REDUCTION; OXIDATIVE PHOSPHORYLATION; PHOSPHATES, INORGANIC; PHOTOSYNTHESIS.

Hajjar JJ

THE EFFECT OF VITAMINE B6 ON ALANINE TRANSPORT IN TURTLE INTESTINE. Hajjar JJ, Khatib AH *Comp Biochem Physiol* [A] 47: 1135-44, 1 Apr 74 (Eng)

ALANINE (metabolism); ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT; IN VITRO; INTESTINAL ABSORPTION; INTESTINAL MUCOSA (metabolism, drug effects); INTESTINES (metabolism, drug effects); MATHEMATICS; MODELS, BIOLOGICAL; PYRIDOXAL (pharmacodynamics); PYRIDOXINE (pharmacodynamics); TIME FACTORS; TURTLES (metabolism).

Halaban R

GLUCOSE TRANSPORT-DEFICIENT MUTANT OF NEUROSPORA CRASSA WITH AN UNUSUAL RHYTHMIC GROWTH PATTERN. Halaban R *J Bacteriol* 121: 1056-63, Mar 75 (Eng)

ACETATES (metabolism); ARABINOSE (metabolism); BIOLOGICAL TRANSPORT; ACTIVE; CARBON RADIOISOTOPES; CELL FRACTIONATION; CHROMOSOME MAPPING; CROSSES, GENETIC; CULTURE MEDIA; CYCLOHEXIMIDE (pharmacodynamics); DARKNESS; GLUCOSE (metabolism, analogs &

derivatives); GLYCERIN (metabolism); LINKAGE (GENETICS); MITOCHONDRIA (enzymology); MUTATION; NEUROSPORA CRASSA (metabolism, growth & development, enzymology); NEUROSPORA (metabolism); PERIODICITY; PHENOTYPE; PYRUVATE DEHYDROGENASE COMPLEX (metabolism); TEMPERATURE; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Halberg F

BIOLOGICAL RHYTHMS. Halberg F *Adv Exp Med Biol* 54: 1-41, 1975 (Eng)
ADRENAL CORTEX HORMONES (physiology); ADRENAL GLANDS (metabolism); ALCOHOLIC INTOXICATION; ANIMAL EXPERIMENTS; BEHAVIOR; ANIMAL; BIOLOGICAL CLOCKS; BODY TEMPERATURE REGULATION; CIRCADIAN RHYTHM; COMPARATIVE STUDY; CORTICOSTERONE (blood); DIURNAL RHYTHM; DOGS; ELECTROENCEPHALOGRAPHY; FEMALE; HAMSTERS; HEART RATE; HORMONES (metabolism); HUMAN; IN VITRO; LIGHT; LIVER GLYCOGEN (metabolism); MALE; MENSTRUATION; MICE; MICE, INBRED STRAINS; OXYGEN CONSUMPTION; PERIODICITY; PREVENTIVE MEDICINE; RESEARCH DESIGN; SLEEP; TIME FACTORS; TRAVEL; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Hall AK

REQUIREMENTS FOR DIVALENT CATIONS BY HORMONAL MITOGENS AND THEIR INTERACTIONS WITH SEX STEROIDS. Morgan JI, Hall AK, Perris AD *Biochem Biophys Res Commun* 66: 188-94, 2 Sep 75 (Eng)

Hall CL

THE PURIFICATION AND SOME PROPERTIES OF ELECTRON TRANSFER FLAVOPROTEIN AND GENERAL FATTY ACYL COENZYME A DEHYDROGENASE FROM PIG LIVER MITOCHONDRIA. Hall CL, Kamin H *J Biol Chem* 250: 3476-86, 10 May 75 (Eng)

AMINO ACIDS (analysis); COENZYME A; ELECTRON TRANSPORT; FATTY ACID DESATURASES (metabolism, isolation & purification); FATTY ACIDS (metabolism); FLAVOPROTEINS (metabolism, isolation & purification); KINETICS; MITOCHONDRIA, LIVER (enzymology); MOLECULAR WEIGHT; SPECTROPHOTOMETRY; SWINE; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.; 2,6-DICHLOROINDOPHENOL..

Halliday D

PROCEEDINGS: A SIMPLE TECHNIQUE FOR THE ESTIMATION OF TISSUE PROTEIN TURNOVER IN MAN. Halliday D, Garrow JS, Rodgers PA *Proc Nutr Soc* 33: 37a-38a, Sep 74 (Eng)

DIETARY PROTEINS; ENERGY METABOLISM; GLYCINE (metabolism); HUMAN; NITROGEN ISOTOPES; OBESITY (metabolism); PROTEINS (metabolism, biosynthesis); URINE (analysis).

Halpern FS

HUMAN GROWTH HORMONE RESPONSE TO LEVODOPA. RELATION TO MENOPAUSE, DEPRESSION, AND PLASMA DOPA CONCENTRATION. Sachar EJ, Altman N, Gruen PH, Glassman A, Halpern FS, Sassini J *Arch Gen Psychiatry* 32: 502-3, Apr 75 (Eng)

Halter J

[THYMO-LYMPHATIC STATUS AS A CAUSE OF CARDIAC ARREST] Kubicz Z, Frieden-

sberg W, Halter J *Wiad Lek* 28: 491-3, 15 Mar 75 (Pol)

Hamberg M

INHIBITION OF BASAL AND HORMONE-STIMULATED ADENYLATE CYCLASE IN ADIPOCYTE GHOSTS BY THE PROSTAGLANDIN ENDOPEROXIDE PROSTAGLANDIN H2. Gorman RR, Hamberg M, Samuelsson B *J Biol Chem* 250: 6460-3, 25 Aug 75 (Eng)

Hamet P

LIVER MEMBRANE ADENYLATE CYCLASE. SYNERGISTIC EFFECTS OF ANIONS ON FLUORIDE, GLUCAGON, AND GUANYL NUCLEOTIDE STIMULATION. Johnson RA, Pilks SJ, Hamet P *J Biol Chem* 250: 6599-607, 25 Aug 75 (Eng)

Hamilton CA

EFFECT OF PHENFORMIN ON GLUCONEOGENESIS FROM LACTATE AND INTRACELLULAR PH IN THE ISOLATED PERFUSED GUINEA PIG LIVER. Lloyd MH, Iles RA, Walton B, Hamilton CA, Cohen RD *Diabetes* 24: 618-24, Jul 75 (Eng)

Hamilton CL

FEEDING BEHAVIOR IN MONKEYS WITH SPONTANEOUS DIABETES MELLITUS. Hamilton CL, Lewis DJ *Med Primatol* 4: 145-53, 1975 (Eng)
ANIMAL; BLOOD SUGAR (analysis); BODY WEIGHT; DIABETES MELLITUS (veterinary, metabolism); DRINKING; EATING; FEEDING BEHAVIOR; INSULIN (blood); KETONES (urine); MACACA; MALE; MONKEY DISEASES (metabolism); MONKEYS; RHESUS MONKEYS; THIRST; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Hammond CB

HYPOTHALAMIC AND PITUITARY FUNCTION IN HYPOGONADOTROPIC HYPOGONADISM. Paulson DF, Wiebe HR, Hammond CB *Urology* 6: 333-6, Sep 75 (Eng)

Hamosh M

LIPOPROTEIN LIPASE IN RAT LUNG. THE EFFECT OF FASTING. Hamosh M, Hamosh P *Biochim Biophys Acta* 380: 132-40, 24 Jan 75 (Eng)

ANIMAL EXPERIMENTS; CARBON RADIOISOTOPES; CHYLOMICRONS; COMPARATIVE STUDY; FASTING; FEMALE; HEPARIN (pharmacodynamics); HYDROGEN-ION CONCENTRATION; LIPOPROTEIN LIPASE (metabolism); LUNG (enzymology); ORGAN WEIGHT; PERFUSION; RATS; SODIUM CHLORIDE (pharmacodynamics); TIME FACTORS; TRITIUM.

THE EFFECT OF ESTROGEN ON THE LIPOPROTEIN LIPASE ACTIVITY OF RAT ADIPOSE TISSUE. Hamosh M, Hamosh P *J Clin Invest* 55: 1132-5, May 75 (Eng)

ADIPOSE TISSUE (enzymology); ANIMAL EXPERIMENTS; CARBON RADIOISOTOPES; CASTRATION; CHYLOMICRONS; COMPARATIVE STUDY; ESTRADIOL (pharmacodynamics); FEMALE; LIPOPROTEIN LIPASE (metabolism); LUNG (enzymology); MALE; MYOCARDIUM (enzymology); PROGESTERONE (pharmacodynamics); RATS; TRIGLYCERIDES (blood); TRITIUM.

PHARYNGEAL LIPASE AND DIGESTION OF DIETARY TRIGLYCERIDE IN MAN. Hamosh M, Klaeveman HL, Wolf RO, Scow RO *J Clin Invest* 55: 908-13, May 75 (Eng)

ADULT; CATALYSIS; CHYLOMICRONS; CORN; DIETARY FATS (metabolism); DIGESTION; DIGLYCERIDES; ESOPHAGUS (enzymology); FATTY ACIDS, NONESTERIFIED; FEMALE; GASTRIC JUICE (enzymology); GLYCERIN; HUMAN;

HYDROGEN-ION CONCENTRATION; LIPASE (analysis, secretion); MALE; MIDDLE AGE; MILK; OILS; OLEIC ACIDS; PAROTID GLAND (secretion); SALIVA (enzymology); SUBLINGUAL GLAND (secretion); SUBMANDIBULAR GLAND (secretion); TRIGLYCERIDES (metabolism); TRIOLEIN; TURBIDIMETRY.

Hamosh P

LIPOPROTEIN LIPASE IN RAT LUNG. THE EFFECT OF FASTING. Hamosh M, Hamosh P *Biochim Biophys Acta* 380: 132-40, 24 Jan 75 (Eng)

THE EFFECT OF ESTROGEN ON THE LIPOPROTEIN LIPASE ACTIVITY OF RAT ADIPOSE TISSUE. Hamosh M, Hamosh P *J Clin Invest* 55: 1132-5, May 75 (Eng)

Hampers CL

HEMODIALYSIS-RELATED PROBLEMS IN PATIENTS WITH DIABETES MELLITUS. Kaissis SD, Yen MC, Lazarus M, Lowrie EG, Goldstein HH, Takacs FJ, Hampers CL, Merrill JD *Kidney Int [Suppl]* 100: 7, Oct 74 (Eng)

CARDIOVASCULAR DISEASE IN UREMIC PATIENTS ON HEMODIALYSIS. Lazarus JM, Lowrie EG, Hampers CL, Merrill JP *Kidney Int [Suppl]* 167: 75, Jan 75 (Eng) [56]

Hanabusa M

[PROCEEDINGS: HUMAN PROLACTIN SECRETION DYNAMICS IN VARIOUS ENDOCRINE DISEASES] Ogawa N, Miyoshi M, Hanabusa M, Yokoyama H, Furuno K *Folia Endocrinol Jpn* 50: 296, 20 Feb 74 (Jpn)

Handelsman DG

TOXICITY ARISING FROM THE UREA CYCLE. Cohen BD, Handelsman DG, Pai BN *Kidney Int [Suppl]* 285: 7, Feb 75 (Eng)

Hane S

ALTERED HYPOTHALAMIC-PITUITARY-ADRENAL RESPONSIVENESS TO DEXAMETHASONE-INSULIN TOLERANCE TEST IN ACTIVE ACROMEGALY. Hofeldt FD, Levin SR, Von Werder K, Becker N, Schneider V, Hane S, Seymour R, Adams JE, Forsham PH *J Clin Endocrinol Metab* 41: 399-401, Aug 75 (Eng)

Hannya H

[PROCEEDINGS: AGE RELATED CHANGES OF THE PANCREATIC LANGERHANS ISLAND] Endo T, Ichikawa I, Hannya H, Murachi T *Folia Endocrinol Jpn* 50: 235, 20 Feb 74 (Jpn)

Hano J

MAINTENANCE DIALYSIS FOR DIABETIC NEPHROPATHY WITH UREMIA. Huang C, del Greco F, Ivanovich P, Krumlovsky FA, Roguska J, Simon NM, Hano J *J Chronic Dis* 28: 365-74, Aug 75 (Eng)

THE INFLUENCE OF SEROTONIN ON INSULIN-STIMULATED GLUCOSE SECRETION, BLOOD GLUCOSE AND SERUM ELECTROLYTE LEVELS IN THE UNANESTHETIZED RAT. Hano J, Bugajski J, Daneek L, Wantuch C *Arch Int Pharmacodyn Ther* 216: 28-39, Jul 75 (Eng)

ANIMAL; BLOOD SUGAR (metabolism); CALCIUM (blood); ELECTROLYTES (blood); FEMALE; GASTRIC JUICE (secretion); GASTRIC MUCOSA (secretion); INSULIN (pharmacodynamics); MALE; POTASSIUM (blood); RATS; SEROTONIN (pharmacodynamics); SODIUM (blood); STIMULATION, CHEMICAL; TIME FACTORS.

Happ J

[BLOOD LACTATE LEVEL FOLLOWING INTRAVENOUS ADMINISTRATION OF SULFONYLUREA COMPOUNDS IN

Diabetes Literature—Author Index

Harell A

EQUIPOTENT DOSES, OF GLUCOSE AND COMBINATIONS OF GLUCOSE AND SULFONYLUREA COMPOUNDS IN SUBJECTS WITH NORMAL METABOLISM] Jungmann E, Beyer J, Happ J, Scherer U, Schoffing K *Verh Dtsch Ges Inn Med* 80: 1302-4, 1974 (Ger)

Harell A

UNDER-RESPONSIVENESS OF GROWTH HORMONE SECRETION AFTER L-DOPA AND DEEP SLEEP STIMULATION IN OBES SUBJECTS. Laurian L, Oberman Z, Ayalon D, Cordova T, Herzberg M, Horer E, Harell A *Isr J Med Sci* 11: 482-7, May 75 (Eng)

CHANGES IN PLASMA CORTISOL, GLUCOSE AND FREE FATTY ACIDS AFTER CAFFEINE INGESTION IN OBES WOMEN. Oberman Z, Herzberg M, Jaskolka H, Harell A, Hoerer E, Laurian L *Isr J Med Sci* 11: 33-6, Jan 75 (Eng)

Harris J

NEUROPATHY, RETINOPATHY AND BIOPSY FINDINGS IN TRANSPLANTED KIDNEY IN DIABETIC PATIENTS. Barbosa J, Burke B, Buselmeier TJ, Carpenter AM, Goetz FC, Harris J, Kennedy WR, Kjellstrand CM, Michael AF, Najarian JS, Recker L *Kidney Int [Suppl]* 32-6, Oct 74 (Eng)

Harrison RW 3d

EVIDENCE FOR GLUCOCORTICOID TRANSPORT INTO ATT-20/D-1 CELLS. Harrison RW 3d, Fairfield S, Orth DN *Biochemistry* 14: 1304-7, 25 Mar 75 (Eng)

BIOLOGICAL TRANSPORT; CELL FRACTIONATION; CELL LINE; CELL MEMBRANE (metabolism); CELL-FREE SYSTEM; CYTOSOL (metabolism); ESTRADIOL (metabolism); MICE, INBRED STRAINS; NEOPLASMS, EXPERIMENTAL (metabolism); PITUITARY NEOPLASMS (metabolism); PROTEIN BINDING; RECEPTORS, HORMONE; TEMPERATURE; TRIAMCINOLONE (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

Hart A

ASSESSING INCIDENCE AND RISK FACTORS IN MYOCARDIAL INFARCTION. Librach G, Schadel M, Seltzer M, Hart A *Geriatrics* 30: 79-82, 89-93, Sep 75 (Eng)

Hartmann G

[LIPIIDS IN PARENTERAL FEEDING] Hartmann G *Infusionstherapie* 1: 516-8, Oct 74 (Ger) COMA (etiology); DEFICIENCY DISEASES (prevention & control); DIETARY FATS (metabolism); ENGLISH ABSTRACT; HEART FAILURE, CONGESTIVE (etiology); HISTORICAL ARTICLE; HUMAN; HYPERGLYCEMIA (etiology); HYPOGLYCEMIA (etiology); OSMOLAR CONCENTRATION; PARENTERAL FEEDING (history, adverse effects); PHOSPHATES (blood); SEPTICEMIA (etiology); SUBCLAVIAN VEIN (injuries).

Hartmann N

[GLUCOSE TOLERANCE AND THYROID FUNCTION] Voss C, Lorenz C, Ratzmann L, Hartmann N *Acta Biol Med Ger* 33: 515-20, 1974 (Ger)

Hartsuck JM

FLUID AND ELECTROLYTE THERAPY. Hartsuck JM *Major Probl Clin Surg* 17: 39-52, 1975 (Eng)

AGE FACTORS; AGED; ALKALOSIS (therapy); BURNS (complications); DIABETES MELLITUS (complications); HEART FAILURE, CONGESTIVE (complications); HUMAN; HYPOKALEMIA (therapy); HYPONATREMIA (therapy); INFUSIONS, PARENTERAL; KIDNEY FAILURE, ACUTE (complications); LIVER DISEASES (complications);

PARENTERAL HYPERALIMENTATION; POSTOPERATIVE CARE (methods); POSTOPERATIVE COMPLICATIONS (therapy); PREOPERATIVE CARE (methods); SURGERY, OPERATIVE; WATER-ELECTROLYTE BALANCE.

Harvie NR

X-RAY DIFFRACTION STUDIES OF HUMAN ERYTHROCYTE MEMBRANE STRUCTURE. Stamatoft JB, Krimm S, Harvie NR *Proc Natl Acad Sci USA* 72: 531-4, Feb 75 (Eng)

Hashimoto K

THE DIAGNOSTIC VALUE OF HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL FUNCTION TESTS IN PATIENTS WITH CUSHINGS SYNDROME. Hashimoto K *Acta Med Okayama* 29: 111-26, Apr 75 (Eng)

ADOLESCENCE; ADRENAL CORTEX FUNCTION TESTS; ADRENAL GLAND NEOPLASMS (diagnosis); ADULT; ANDROSTERONE (urine); CHILD; PRESCHOOL; CORTICOTROPIN (blood); COSYNTROPIN (diagnostic use); CUSHINGS SYNDROME (diagnosis, physiopathology, urine, blood); DEXAMETHASONE (diagnostic use); DIAGNOSIS, DIFFERENTIAL; ETIOCHOLANOLONE (urine); FEMALE; HUMAN; HYDROCORTISONE (blood); HYPOTHALAMUS (physiopathology); INSULIN (diagnostic use); LYSINE VASOPRESSIN (diagnostic use); MALE; METYRAPONE (diagnostic use); MIDDLE AGE; PITUITARY GLAND FUNCTION TESTS; PITUITARY-ADRENAL FUNCTION TESTS; TETRAHYDROCORTISOL (urine); TETRAHYDROCORTISONE (urine); 17-KETOSTEROIDS (urine).

[PROCEEDINGS: RESPONSES OF PLASMA ACTH, GH, LH, FSH, TSH AND PROLACTIN IN CUSHINGS SYNDROME] Hashimoto K, Asaoka K, Mori M, Yokoyama M, Miyoshi M *Folia Endocrinol Jpn* 50: 537, 20 Feb 74 (Jpn) CORTICOTROPIN (blood); CUSHINGS SYNDROME (blood); FSH (blood); HORMONES (blood); HUMAN; LH (blood); PROLACTIN (blood); SOMATOTROPIN (blood); THYROTROPIN (blood).

Hashimoto T

[PROCEEDINGS: ACTION OF RELEASING HORMONES ON VARIOUS ANTERIOR PITUITARY HORMONE SECRETION: ACROMEGALY] Miyai K, Onishi T, Hashimoto T, Sawazaki N, Hosokawa M *Folia Endocrinol Jpn* 50: 275, 20 Feb 74 (Jpn)

Hasimoto G

STUDIES ON FERROUS ION-INDUCED LIPID PEROXIDATION OF RAT LIVER MITOCHONDRIA. I. EFFECT OF INORGANIC PHOSPHATE. Yamamoto G, Tanabe M, Wakabayashi H, Hasimoto G, Yamamoto M *Acta Med Okayama* 28: 299-310, Oct 74 (Eng)

Haslbeck

[TWENTY YEARS OF ORAL DIABETIC THERAPY (AUTHORS TRANSL)] Mehnert H, Dietze G, Haslbeck *Munch Med Wochenschr* 117: 1221-8, 18 Jul 75 (Ger)

Haslbeck M

[THE SIGNIFICANCE OF CARBOHYDRATES IN PARENTERAL FEEDING] Forster H, Haslbeck M, Mehnert H *Infusionstherapie* 1: 199-213, Feb 74 (Ger)

[PARENTERAL ADMINISTRATION OF SUGAR SUBSTITUTES WITH SPECIAL REFERENCE TO DIABETES MELLITUS] Haslbeck M *Infusionstherapie* 1: 569-76, Oct 74 (Ger) ANIMAL; BLOOD SUGAR (analysis); DIABETES MELLITUS (metabolism); ENGLISH ABSTRACT; FATTY ACIDS, NONESTERIFIED (blood); FRUCTOSE (metabolism, administration

& dosage); GLUCOSE (administration & dosage, metabolism); HUMAN; INSULIN (blood); LACTATES (blood); LIVER (metabolism); PARENTERAL FEEDING; PYRUVATES (blood); RATS; SORBITOL (metabolism, administration & dosage); URIC ACID (blood); XYLITOL (metabolism, administration & dosage).

[LABORATORY METHODS AND DIAGNOSTIC PROCEDURES IN DIABETES MELLITUS] Haslbeck M *Med Welt* 26: 1560-6, 5 Sep 75 (Ger)

ADULT; AGED; BLOOD SUGAR (analysis); CHILD; DIABETES MELLITUS (diagnosis); FEMALE; GLYCOSURIA (diagnosis); HUMAN; KETONE BODIES (urine); MIDDLE AGE; PREGNANCY.

Hauch TW

GASTRIC OPERATIONS AND GLUCOSE HOMEOSTASIS. II. GLUCAGON AND SECRETIN. Breuer RI, Zuckerman L, Hauch TW, Green W, OGara P, Lawrence AM, Foa PP, Matsuyama T *Gastroenterology* 69: 598-606, Sep 75 (Eng)

Haussmann L

[INFLUENCE OF OVULATION INHIBITORS ON GLUCOSE METABOLISM] Haussmann L, Kafarnik H *Dtsch Med Wochenschr* 100: 1703-9, 22 Aug 75 (Ger) [59]

BLOOD SUGAR (metabolism); CHEMISTRY; CONTRACEPTIVES, ORAL (pharmacodynamics); DIABETES MELLITUS (familial & genetic); ESTROGENS (pharmacodynamics); FATTY LIVER (metabolism); FEMALE; GLUCOSE TOLERANCE TEST; GLUCOSE (metabolism); HUMAN; HYPERLIPIDEMIA (metabolism); INSULIN (blood); OBESITY IN DIABETES (metabolism); PREDIABETIC STATE; PREGESTATIONAL HORMONES (pharmacodynamics); REVIEW.

Hayden BL

CAN THE OXYTOCIN CHALLENGE TEST SERVE AS THE PRIMARY METHOD FOR MANAGING HIGH-RISK PREGNANCIES Hayden BL, Simpson JL, Ewing DE, Otterson WN *Obstet Gynecol* 46: 251-4, Sep 75 (Eng)

CHRONIC DISEASE; ESTRIL (urine); FEMALE; FETUS (physiology); GESTATIONAL AGE; GROWTH; HUMAN; HYPERTENSION; INFANT, NEWBORN; LECITHINS (analysis); OXYTOCIN (diagnostic use); PLACENTAL DISORDERS (diagnosis); PLACENTAL FUNCTION TESTS; PLACENTAL INSUFFICIENCY (diagnosis); PRE-ECLAMPSIA; PREGNANCY IN DIABETES; PREGNANCY COMPLICATIONS; PREGNANCY COMPLICATIONS, CARDIOVASCULAR; PREGNANCY; PREGNANCY, PROLONGED; RISK; SPHINGOMYELINS (analysis); ULTRASONICS (diagnostic use).

Hayden EB

LETTER: SUCROSE AND GLUCOSE IN DRY BREAKFAST CEREALS. Hayden EB *J Dent Child* 42: 88-90, Mar-Apr 75 (Eng) CEREALS; CHILD; DENTAL CARIES (etiology); FOOD ANALYSIS; GLUCOSE (analysis); HUMAN; SUCROSE (analysis).

Hayes JR

GASTRIC LEVELS AFTER PROXIMAL GASTRIC VAGOTOMY. Hayes JR, Ardill J, Kennedy TL, Buchanan KD *Ir J Med Sci* 144: 349-54, Sep 75 (Eng)

BLOOD SUGAR (analysis); DUODENAL ULCER (surgery); GASTRIN (blood, secretion); HUMAN; INSULIN (diagnostic use); STOMACH (secretion, innervation); VAGOTOMY.

Hearse DJ

DIABETES AND THE SURVIVAL AND RECOVERY OF THE ANOXIC MYOCARDI-

UM. Hearse DJ, Stewart DA, Chain EB *J Mol Cell Cardiol* 7: 397-415, Jun 75 (Eng)
ANIMAL; ANOXIA (metabolism); BLOOD SUGAR (analysis); DIABETES MELLITUS (metabolism, chemically induced); GLUCOSE (metabolism); HEART FAILURE, CONGESTIVE (metabolism); INSULIN (pharmacodynamics); MYOCARDIUM (metabolism, enzymology); OXYGEN CONSUMPTION (drug effects); RATS; STREPTOZOTOCIN.

Hecker R

THE EFFECT OF CARBENOXOLONE SOD'UM ON THE PLASMA 11 HYDROXYCORTICOID LEVELS IN CHRONIC GASTRIC ULCERATION. Gollan JL, Hecker R, Mackinnon AM *Aust NZ J Med* 5: 231-4, Jun 75 (Eng)

Hegre OD

ISLET CELL TRANSPLANTATION. Leonard RJ, Lazarow A, McEvoy RC, Hegre OD *Kidney Int [Suppl]* 169-78, Oct 74 (Eng)

Heintz R

[UREMIA TOXINS: EFFECT OF MEDIUM AND HIGH MOLECULAR FRACTIONS FROM NORMAL URINE ON GLUCONEOGENESIS OF THE KIDNEY CORTEX SECTIONS IN THE RAT] Lamberts B, Brunner H, Heintz R *Verh Dtsch Ges Inn Med* 80: 722-5, 1974 (Ger)

Helgeson J

USE OF MUTANT FIBROBLASTS IN THE ANALYSIS OF THE REGULATION OF CHOLESTEROL METABOLISM IN HUMAN CELLS. Brown MS, Brannan PG, Bohmfalk HA, Brunsche GY, Dana SE, Helgeson J, Goldstein JL *J Cell Physiol* 85: 425-36, Apr 75 (Eng)

Helle KB

THE ADRENAL MEDULLA: A MODEL FOR STUDIES OF HORMONAL AND NEURONAL STORAGE AND RELEASE MECHANISMS. Helle KB, Serck-Hanssen G *Mol Cell Biochem* 6: 127-46, 28 Feb 75 (Eng) [118]

ADRENAL MEDULLA (metabolism, ultrastructure); AMINO ACIDS (analysis); ANIMAL EXPERIMENTS; CALCIUM (metabolism); CHROMAFFIN SYSTEM (metabolism, ultrastructure); COPPER (metabolism); CYTOPLASMIC GRANULES (metabolism, ultrastructure); DOPAMINE BETA HYDROXYLASE (metabolism); EPINEPHRINE (metabolism); IRON (metabolism); LIPOSOMES (metabolism); MAGNESIUM (metabolism); MEMBRANES (metabolism); MICROSCOPY, ELECTRON; MODELS, BIOLOGICAL; MOLECULAR WEIGHT; NOREPINEPHRINE (metabolism); PHOSPHOLIPIDS (metabolism); PROTEINS (metabolism); REVIEW.

Hellerstrom C

DECREASED CYCLIC AMP AND INSULIN RESPONSE TO GLUCOSE IN ISOLATED ISLETS OF NEONATAL RATS. Grill V, Asplund K, Hellerstrom C, Cerasi E *Diabetes* 24: 746-52, Aug 75 (Eng)

SYMPOSIUM II: FETOMATERNAL UNIT IN DIABETES. CLINICAL AND EXPERIMENTAL ASPECTS. FUNCTION OF THE FETAL ENDOCRINE PANCREAS. Asplund K, Andersson A, Jarrouse C, Hellerstrom C *Isr J Med Sci* 11: 581-90, Jun 75 (Eng) [50]

Hellman B

THE SIGNIFICANCE OF CALCIUM FOR GLUCOSE STIMULATION OF INSULIN RELEASE. Hellman B *Endocrinology* 97: 392-8, Aug 75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ANIMAL; CALCIUM (pharmacodynamics); DIBUTYRYL CYCLIC AMP (pharmacodynamics); DOSE-RESPONSE RELATIONSHIP, DRUG; FEMALE; GLUCOSE (pharmacodynamics); INSULIN (secretion);

ISLANDS OF LANGERHANS (secretion, drug effects, metabolism); KINETICS; LANTHANUM (pharmacodynamics); MICE; MICE, OBESE; TIME FACTORS; XANTHINES (pharmacodynamics).

Hellner KA

[CLINICO-NEUROLOGIC AND ELECTROMYOGRAPHIC STUDIES OF PATIENTS WITH INITIAL ISOLATED PIGMENTARY RETINOPATHY] Muller-Jensen A, Eickhoff W, Hellner KA *Ophthalmologica* 170: 505-17, 1975 (Ger)

Hempfling H

[THE PHYSIOLOGY OF THE ISOLATED DOG PANCREAS—THE INFLUENCE OF THE ACTUAL BLOOD GLUCOSE LEVEL ON THE BLOOD CIRCULATION IN THE PANCREAS] Hempfling H, Husemann B *Arzneim Forsch* 25: 916-8, Jun 75 (Ger)

ANIMAL; BLOOD SUGAR (physiology, analysis); DOGS; ENGLISH ABSTRACT; IN VITRO; INSULIN (blood); LACTATE DEHYDROGENASE (blood); PANCREAS (physiology, blood supply); PERFUSION; REGIONAL BLOOD FLOW (drug effects); TIME FACTORS; VASCULAR RESISTANCE (drug effects).

Henderkott U

[MECHANISM OF ACTION OF GLIQUIDONE (AUTHORS TRANSL.)] Zilker T, Ermier R, Henderkott U, Bottermann P *Dtsch Med Wochenschr* 100: 1733-4, 1739-41, 29 Aug 75 (Ger)

Henes SH

[THE ROLE OF THE ADRENORECEPTORS IN SEVERAL ORGANS IN REGULATING CARBOHYDRATE AND LIPID METABOLISM] Henes SH, Poltorak VV *Fiziol Zh* 20: 831-40, Nov-Dec 74 (Ukr) [126]

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ADIPOSE TISSUE (metabolism); ADRENERGIC ALPHA RECEPTOR BLOCKADERS (pharmacodynamics); ADRENERGIC BETA RECEPTOR BLOCKADERS (pharmacodynamics); ANIMAL; ARGININE (pharmacodynamics); BLOOD SUGAR (metabolism); CARBOHYDRATES (metabolism); CATECHOLAMINES (pharmacodynamics); DRUG INTERACTIONS; EXERTION; FATTY ACIDS, NONESTERIFIED (metabolism); GLUCAGON (pharmacodynamics); GUINEA PIGS; INSULIN ANTIBODIES; INSULIN (pharmacodynamics); LIPIDS (metabolism); LYSINE VASOPRESSIN (pharmacodynamics); NICOTINIC ACIDS (pharmacodynamics); PROPRANOLOL (pharmacodynamics); RECEPTORS, ADRENERGIC; REVIEW; URETHANE (pharmacodynamics).

Hennessy TR

THE INTERACTION OF DIFFUSION AND PERFUSION IN HOMOGENEOUS TISSUE. Hennessy TR *Bull Math Biol* 36: 505-26, Oct-Dec 74 (Eng)

BIOLOGICAL TRANSPORT; BLOOD GAS ANALYSIS; CELLS (physiology); DIFFUSION; HALF-LIFE; KINETICS; LIPIDS; MATHEMATICS; MODELS, BIOLOGICAL; PERFUSION; TIME FACTORS; WATER.

Henry PD

POSITIVE STAIRCASE EFFECT IN THE RAT HEART. Henry PD *Am J Physiol* 228: 360-4, Feb 75 (Eng)

ADENOSINE TRIPHOSPHATE (metabolism); ANIMAL EXPERIMENTS; ELECTRIC STIMULATION; GLUCOSE (metabolism); HEART RATE; HEART (physiology); IN VITRO; ISOPROTERENOL (pharmacodynamics); MALE; MYOCARDIUM (metabolism); PAPILLARY MUSCLES (metabolism); PRESSURE; RATS (physiology); STIMULATION, CHEMICAL;

TRANSDUCERS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Hepp KD

[METABOLISM OF THE SPLANCHNIC REGION AS INFLUENCED BY FRUCTOSE] Dietze G, Wicklmayr M, Hepp KD, Grunst J, Stiegler G, Mehnert H *Infusionstherapie* 1: 525-5, Oct 74 (Ger)

[THE METABOLISM OF THE SPLANCHNIC REGION UNDER THE INFLUENCE OF FRUCTOSE] Dietze G, Wicklmayr M, Hepp KD, Grunst J, Stiegler G, Mehnert H *Infusionstherapie* 1: 552-5, Oct 74 (Ger)

[BIOLOGICAL EFFECTS OF GROWTH-INDUCING SERUM PROTEINS ON ADIPOSE TISSUE] Renner R, Hepp KD, Mehnert H, Vesper J, Frank W *Verh Dtsch Ges Inn Med* 80: 1222-4, 1974 (Ger)

Herman RH

POSTPRANDIAL HYPOGLYCEMIA. FACT OR FICTION. Hofeldt FD, Adler RA, Herman RH *JAMA* 233: 1309, 22 Sep 75 (Eng)

Hertelendy F

STUDIES ON GROWTH HORMONE SECRETION. VII. EFFECTS OF SOMATOSTATIN ON PLASMA GH, INSULIN, AND GLUCAGON IN SHEEP. Bryce D, Yeh M, Funderburk C, Todd H, Hertelendy F *Diabetes* 24: 842-50, Sep 75 (Eng)

Herzberg GR

SUGAR ABSORPTION BY MOUSE SMALL INTESTINE. Herzberg GR, Howland JL *Comp Biochem Physiol [A]* 47: 1191-8, 1 Apr 74 (Eng)

ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT; CALCIUM (pharmacodynamics); CATIONS, MONOVALENT; FEMALE; GRAMICIDINS (pharmacodynamics); INTESTINAL ABSORPTION (drug effects); INTESTINE, SMALL (metabolism, drug effects); KINETICS; MALE; METHYLGLUCOSIDES (metabolism); METHYLGLYCOSIDES (metabolism); MICE; NIGERIN (pharmacodynamics); POTASSIUM (pharmacodynamics); SODIUM (pharmacodynamics); TIME FACTORS; VALINOMYCIN (pharmacodynamics).

Herzberg M

UNDER-RESPONSIVENESS OF GROWTH HORMONE SECRETION AFTER L-DOPA AND DEEP SLEEP STIMULATION IN OBESE SUBJECTS. Laurian L, Oberman Z, Ayalon D, Cordova T, Herzberg M, Horer E, Harell A *Isr J Med Sci* 11: 482-7, May 75 (Eng)

CHANGES IN PLASMA CORTISOL, GLUCOSE AND FREE FATTY ACIDS AFTER CAFFEINE INGESTION IN OBESE WOMEN. Oberman Z, Herzberg M, Jaskolka H, Harell A, Hoerer E, Laurian L *Isr J Med Sci* 11: 33-6, Jun 75 (Eng)

Heslop JP

AXONAL FLOW AND FAST TRANSPORT IN NERVES. Heslop JP *Adv Comp Physiol Biochem* 6: 75-163, 1975 (Eng) [428]

ACETYLCHOLINESTERASE (metabolism); AMINO ACIDS (metabolism); ANIMAL EXPERIMENTS; AXONS (metabolism, ultrastructure); AXOPLASMIC FLOW (drug effects); BIOLOGICAL TRANSPORT; CALCIUM (pharmacodynamics); GANGLIA (metabolism); KINETICS; MICROTUBULES (metabolism); MODELS, BIOLOGICAL; NERVE TISSUE PROTEINS (metabolism); NERVE TISSUE (metabolism, physiology); POTASSIUM (pharmacodynamics); REVIEW; RNA (metabolism); SODIUM (pharmacodynamics); SPECIES SPECIFICITY; TIME FACTORS.

Hesse V

Hesse V

[ENDOCRINE DWARFISM. 3. DIAGNOSIS AND THERAPY OF NONHYPOTHALAMIC-NON-PITUITARY ENDOCRINE DWARFISM] Hesse V *Kinderarztl Prax* 43: 217-26, May 75 (Ger)
ADDISON'S DISEASE (complications); BODY HEIGHT; BONE DEVELOPMENT; CHILD; CHILD, PRESCHOOL; CUSHINGS SYNDROME (complications); DIABETES MELLITUS (complications); DWARFISM (etiology, diagnosis, drug therapy); GLUCOCORTICIDS (adverse effects); HUMAN; HYPOTHYROIDISM (complications); INFANT; PROGNOSIS; PUBERTY, PRECOCIOUS (complications).

Heuckenamp PU

[GLUCOSE IN PARENTERAL FEEDING] Heuckenamp PU, Zollner N *Infusionstherapie* 1: 565-8, Oct 74 (Ger)
ANIMAL; BLOOD SUGAR (metabolism); DIETARY CARBOHYDRATES (administration & dosage); ENERGY METABOLISM; ENGLISH ABSTRACT; FEMALE; GLUCOSE (administration & dosage, metabolism); HUMAN; INSULIN (blood); MALE; NUTRITIONAL REQUIREMENTS; PARENTERAL FEEDING; POSTOPERATIVE CARE; PREDIABETIC STATE (metabolism); RATS.

Hewlin C

PHENFORMIN-INDUCED LACTIC ACIDOSIS IN DIABETIC PATIENTS. Assan R, Hewlin C, Girard JR, LeMaire F, Attali JR *Diabetes* 24: 791-800, Sep 75 (Eng)

Hewson JR

A SPOONFUL OF SUGAR - TRANS-ALVEOLAR NUTRITION. Hewson JR, Holland AJ *Can Anaesth Soc J* 22: 539-46, Sep 75 (Eng)
ADENOSINE TRIPHOSPHATE (metabolism); ANIMAL; BRONCHI; COMPARATIVE STUDY; ENERGY METABOLISM; GLUCOSE (pharmacodynamics, administration & dosage); INSULIN (pharmacodynamics, administration & dosage); ISOTOPIIC SOLUTIONS; LACTATES (metabolism); PULMONARY ALVEOLI (metabolism, cytology); PULMONARY SURFACTANT (biosynthesis); RABBITS.

Hiestand M

SLEEP METABOLISM AND AGE. Webb P, Hiestand M *J Appl Physiol* 38: 257-62, Feb 75 (Eng)

Hildebrand R

[KARYOMETRIC STUDIES OF THE PANCREAS AND ADRENAL GLANDS OF THE ALBINO-RAT FED AN UNBALANCED GLUCOSE DIET OR A GLUCOSE DIET SUPPLEMENTED WITH THIAMINE] Hildebrand R *Anat Anz* 137: 187-95, 1975 (Ger)

ADRENAL CORTEX (drug effects, ultrastructure); ADRENAL GLANDS (drug effects); ADRENAL MEDULLA (drug effects, ultrastructure); ANIMAL; BODY WEIGHT; CELL NUCLEUS (drug effects, ultrastructure); DIET; ENGLISH ABSTRACT; GLUCOSE (pharmacodynamics); ISLANDS OF LANGERHANS (drug effects, ultrastructure); KARYOMETRY; MALE; PANCREAS (drug effects, ultrastructure); RATS; THIAMINE (pharmacodynamics).

[SIGNIFICANCE OF TISSUE SPECIFICITY FOR THE FREQUENCY OF MITOSIS AND ITS CHANGES (AUTHORS TRANSL.)] Hildebrand R, Ernst H *Anat Anz* 137: 196-9, 1975 (Ger)

ANIMAL; COLCHICINE (pharmacodynamics, administration & dosage); DUODENUM (drug effects, cytology); ENGLISH ABSTRACT; GLIBENCLAMIDE (pharmacodynamics, administration & dosage); ISLANDS OF LANGERHANS (drug effects, cytology); MALE; MITOSIS (drug effects); RATS; TIME FACTORS.

Diabetes Literature—Author Index

Hill EG

DEVELOPMENT OF HYPERBETALIPOPROTEINEMIA IN PIGS FED ATHEROGENIC DIET. Hill EG, Silbernick CL *Lipids* 10: 41-3, Jan 75 (Eng)
ANIMAL EXPERIMENTS; ANIMAL NUTRITION; CHOLESTEROL (blood, analogs & derivatives); DIET, ATHEROGENIC; DISEASE MODELS, ANIMAL; FEMALE; HYPERLIPIDEMIA (etiology); LIPOPROTEINS, HDL (blood); LIPOPROTEINS, LDL (blood); LIPOPROTEINS, VLDL (blood); MALE; SWINE (metabolism); TRIGLYCERIDES (blood); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

Hill LF

THE EFFECTS OF UNDERNUTRITION AND ITS RELIEF ON INTESTINAL CALCIUM TRANSPORT IN THE RAT. Adams PH, Hill LF, Wain D, Taylor C *Calcif Tissue Res* 16: 293-303, 1974 (Eng)

Hille B

AN ESSENTIAL IONIZED ACID GROUP IN SODIUM CHANNELS. Hille B *Fed Proc* 34: 1318-21, Apr 75 (Eng)
BINDING SITES; CARBOXYLIC ACIDS (metabolism); CELL MEMBRANE PERMEABILITY; CELL MEMBRANE (metabolism); HYDROGEN-ION CONCENTRATION; MODELS, BIOLOGICAL; MODELS, CHEMICAL; NEURONS (metabolism); SALTITOXIN (metabolism); SODIUM (metabolism); TETRODOTOXIN (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Hinkle PM

INTRINSIC TRYPTOPHAN FLUORESCENCE OF MEMBRANES OF GH3 PITUITARY CELLS: QUENCHING BY THYROTROPIN-RELEASING HORMONE. Imae T, Fasman GD, Hinkle PM, Tashjian AH Jr *Biochem Biophys Res Commun* 62: 923-32, 17 Feb 75 (Eng)

Hino M

[PROCEEDINGS: PITUITARY APOPLEXY COMPLICATING THE CLINICAL COURSE OF ACROMEGALY] Abe T, Hino M, Shimoyama A, Hirata Y *Folia Endocrinol Jpn* 50: 283, 20 Feb 74 (Jpn)

Hirata Y

[PROCEEDINGS: PITUITARY APOPLEXY COMPLICATING THE CLINICAL COURSE OF ACROMEGALY] Abe T, Hino M, Shimoyama A, Hirata Y *Folia Endocrinol Jpn* 50: 283, 20 Feb 74 (Jpn)

Hnikova O

[METHODS FOR THE DETERMINATION OF SOMATOTROPIN LEVELS USING THE RADIOIMMUNOLOGIC METHOD] Kracmar P, Hnikova O, Korpanova J, Satrapa T *Cesk Fyziol* 24: 73-7, 1975 (Cze)

Hoberman HD

ALCOHOLIC DETOSIS. Fulop M, Hoberman HD *Diabetes* 24: 785-90, Sep 75 (Eng)

Hobsley M

LETTER: VAGOTOMY FOR DUODENAL ULCER. Faber RG, Parkin JV, Hobsley M *Br Med J* 3: 436, 16 Aug 75 (Eng)

Hoda H

[PROCEEDINGS: GROWTH HORMONE (CGH) SECRETION IN THE DOG DURING SLEEPING. 3. THE EFFECT OF LIGHT, DARKNESS AND SLEEP INTERRUPTION] Takahashi K, Takahashi Y, Hoda H, Tsushima T, Irie M *Folia Endocrinol Jpn* 50: 273, 20 Feb 74 (Jpn)

Hoerer E

CHANGES IN PLASMA CORTISOL, GLUCOSE AND FREE FATTY ACIDS AFTER CAFFEINE INGESTION IN OBESE WOMEN. Oberman Z, Herzberg M, Jaskolska H, Harrell A, Hoerer E, Laurian L *Isr J Med Sci* 11: 33-6, Jan 75 (Eng)

Hofeldt FD

ALTERED HYPOTHALAMIC-PITUITARY-ADRENAL RESPONSIVENESS TO DEXAMETHASONE-INSULIN TOLERANCE TEST IN ACTIVE ACROMEGALY. Hofeldt FD, Levin SR, Von Werder K, Becker N, Schneider V, Hane S, Seymour R, Adams JE, Forsham PH *J Clin Endocrinol Metab* 41: 399-401, Aug 75 (Eng)

ACROMEGALY (physiopathology); ADRENAL GLANDS (physiopathology, drug effects, physiology); ADULT; BLOOD SUGAR (metabolism); DEXAMETHASONE (diagnostic use); FEMALE; HUMAN; HYDROCORTISONE (blood); HYPOTHALAMUS (physiopathology, drug effects, physiology); INSULIN (diagnostic use); MALE; MIDDLE AGE; PITUITARY GLAND (physiopathology, drug effects); TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; 11-HYDROXYCORTICOSTEROIDS (blood).

POSTPRANDIAL HYPOGLYCEMIA. FACT OR FICTION. Hofeldt FD, Adler RA, Herman RH *JAMA* 233: 1309, 22 Sep 75 (Eng)
BLOOD SUGAR (analysis); EATING; HUMAN; HYDROCORTISONE (blood); HYPOGLYCEMIA (diagnosis, classification); MMP; PSYCHOPHYSIOLOGIC DISORDERS.

Hoffman DJ

PHYSIOLOGICAL EFFECTS OF HYPOXIA AND TRYPTAN BLUE IN 17-DAY CHICK EMBRYOS. Hoffman DJ *Teratology* 12: 57-60, Aug 75 (Eng)

ANIMAL; ANOXIA (physiopathology, complications); BLOOD SUGAR (metabolism); BLOOD; CHICK EMBRYO (metabolism, drug effects); ELECTROLYTES (blood); HEMATOCRIT; HYPOGLYCEMIA (etiology); OXYGEN CONSUMPTION (drug effects); PHILIPPINES; TRYPTAN BLUE (pharmacodynamics, administration & dosage).

Hofmann K

I. ARTHUR MIRSKY, 1907-1974. Danowski TS, Hofmann K *Diabetes* 24: 776-8, Aug 75 (Eng)

Hogner W

[INCREASED INFORMATION GAINED THROUGH CONTRAST-STEERED FUNDUS PHOTOGRAPHS] Meinel U, Hogner W *Klin Monatsbl Augenheilkd* 165: 887-91, Dec 74 (Ger)

Hohmann KH

[RELATIONSHIP BETWEEN UREMIA POLYNEUROPATHY, UREMIC GLUCOSE METABOLISM DISORDER AND SEVERITY OF UREMIC INTOXICATION IN DIALYSIS PATIENTS] Goubeaud G, Kunze K, Hohmann KH, Schutterle G, Biro G *Verh Dtsch Ges Inn Med* 80: 728-31, 1974 (Ger)

Holland AJ

A SPOONFUL OF SUGAR - TRANS-ALVEOLAR NUTRITION. Hewson JR, Holland AJ *Can Anaesth Soc J* 22: 539-46, Sep 75 (Eng)

Hollenberg CH

REGULATION, BY INSULIN, OF LIPOPROTEIN LIPIASE AND PHOSPHODIESTERASE ACTIVITIES IN RAT ADIPOSE TISSUE. Desai K, Hollenberg CH *Isr J Med Sci* 11: 540-50, Jun 75 (Eng)

Hollett CR

INHIBITOR OF CATECHOLAMINE-INDUCED FREE FATTY ACID MOBILIZATION FROM THE CALF MIDBRAIN. Hollett CR *Biochem Pharmacol* 23: 989-98, 1 Mar 74 (Eng)

ADIPOSE TISSUE (metabolism, drug effects); ANIMAL EXPERIMENTS; CATECHOLAMINES (antagonists & inhibitors); CATTLE; CHROMATOGRAPHY, ION EXCHANGE; FATTY ACIDS, NONESTERIFIED (metabolism); GEL FILTRATION; KINETICS; LIPID MOBILIZATION (drug effects); MALE; MENSCENEPHALON (metabolism, drug effects); NOREPINEPHRINE (pharmacodynamics, antagonists & inhibitors); RATS; THEOPHYLLINE (pharmacodynamics); TIME FACTORS; TISSUE EXTRACTS (metabolism).

Holman GD

GALACTOSE TRANSPORT ACROSS THE SEROSAL BORDER OF RABBIT ILEUM AND ITS ROLE IN INTRACELLULAR ACCUMULATION. Holman GD, Naftalin RJ *Biochim Biophys Acta* 382: 230-45, 13 Mar 75 (Eng)
ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT; CELL MEMBRANE PERMEABILITY (drug effects); CELL MEMBRANE (metabolism); DEOXYGLUCOSE (pharmacodynamics); GALACTOSE (metabolism); GLUCOSE (pharmacodynamics); ILEUM (metabolism); KINETICS; METHYLGLUCOSIDES (pharmacodynamics); OUABAIN (pharmacodynamics); RABBITS; SEROUS MEMBRANE (metabolism); SODIUM (pharmacodynamics).

Hommel H

DYNAMICS OF CANINE PANCREATIC BLOOD FLOW AND OF INSULIN SECRETION DURING AN INTRAVENOUS GLUCOSE LOAD. Fischer U, Hommel H, Schmid E *Pluegers Arch* 358: 89-100, 9 Jul 75 (Eng)

[THE UPTAKE OF OXYGEN AND GLUCOSE BY THE GINGIVA IN DIABETES MELLITUS WITH VARIOUS FORMS OF PERIODONTAL DISEASES] Fett KD, Hommel H, Fischer U *Stomatol DDR* 25: 267-72, Apr 75 (Ger)

Hong-wei S

PHASE SEPARATIONS IN PHOSPHOLIPID MEMBRANES. Hong-wei S, McConnell H *Biochemistry* 14: 847-54, 25 Feb 75 (Eng)
ELECTRON SPIN RESONANCE; KINETICS; MATHEMATICS; MEMBRANES, ARTIFICIAL; MODELS, BIOLOGICAL; MOLECULAR CONFORMATION; PHOSPHATIDYL CHOLINE; PHOSPHATIDYL ETHANOLAMINE; PHOSPHOLIPIDS; SPIN LABELS; TEMPERATURE; THERMODYNAMICS; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Honjo I

CONTROL OF PHOSPHORYLATIVE ACTIVITY IN HUMAN LIVER MITOCHONDRIA THROUGH CHANGES IN RESPIRATORY ENZYME CONTENTS. Ozawa K, Honjo I *Clin Sci Mol Med* 48: 75-82, Feb 75 (Eng)

Hopen G

[LACTIC ACIDOSIS TREATED WITH GLUCOSE AND INSULIN] Brubakk O, Hopen G *Tidsskr Nor Lægeforen* 95: 1412-3, 10 Sep 75 (Nor)

Hopwood NJ

HYPOGLYCEMIA IN HYPOPHYSECTOMIZED CHILDREN. Hopwood NJ, Forsman PJ, Kenny FM, Drash AL *Am J Dis Child* 129: 918-26, Aug 75 (Eng)
ADOLESCENCE; ADRENAL CORTEX FUNCTION TESTS; AGE FACTORS; BODY WEIGHT; CARBOHYDRATES (metabolism); CHILD; CHILD, PRESCHOOL; CORTICOTROPIN (deficiency); FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; HYPOGLYCEMIA (etiology, diagnosis); HYPOPHYSECTOMY (metabolism, diagnosis); INFANT; MALE; SOMATOTROPIN (deficiency); THYROID GLAND FUNCTION TESTS.

Horer E

UNDER-RESPONSIVENESS OF GROWTH HORMONE SECRETION AFTER L-DOPA AND DEEP SLEEP STIMULATION IN OBESE SUBJECTS. Laurian L, Oberman Z, Ayalon D, Cordova T, Herzberg M, Horer E, Harell A *Isr J Med Sci* 11: 482-7, May 75 (Eng)

Horigome K

GLUCAGON RESPONSE TO ARGININE AFTER TREATMENT OF DIABETES MELLITUS. Ohneda A, Ishii S, Horigome K, Yamagata S *Diabetes* 24: 811-9, Sep 75 (Eng)

Horlick L

EFFECT OF CHOLESTYRAMINE ON TISSUE POOLS OF CHOLESTEROL A PRELIMINARY REPORT. Kudchodkar BJ, Sodhi HS, Horlick L, Nazir DJ *Proc Soc Exp Biol Med* 148: 393-6, Feb 75 (Eng)

Horsch AK

[EFFECT OF PYRIDINOLCARBAMATE ON LIPID METABOLISM OF NORMAL AND ARTERIOSCLEROTIC INTIMA IN HUMAN FEMORAL ARTERIES] Horsch AK, Gilli J, Schreiter U *Verh Dtsch Ges Inn Med* 80: 952-4, 1974 (Ger)
ARTERIOSCLEROSIS (metabolism); CARBAMATES (pharmacodynamics); FEMORAL ARTERY (drug effects, metabolism); HUMAN; IN VITRO; LIPIDS (metabolism); PYRIDINOLCARBAMATE (pharmacodynamics).

Hosokawa M

[PROCEEDINGS: ACTION OF RELEASING HORMONES ON VARIOUS ANTERIOR PITUITARY HORMONE SECRETION: ACROMEGALY] Miyai K, Onishi T, Hashimoto T, Sawazaki N, Hosokawa M *Folia Endocrinol Jpn* 50: 275, 20 Feb 74 (Jpn)

Hoss W

FLUIDITY IN HYDROPHOBIC PROTEIN REGIONS OF SYNAPTIC MEMBRANES. Hoss W, Abood LG *Eur J Biochem* 50: 177-81, 16 Dec 74 (Eng)
ANIMAL EXPERIMENTS; CHROMATOGRAPHY, GAS; MATHEMATICS; MEMBRANES (analysis, ultrastructure); NERVE TISSUE PROTEINS (analysis); PROTEIN CONFORMATION; SPECTROMETRY, FLUORESCENCE; SYNAPSES (analysis, ultrastructure); SYNAPTOSOMES (analysis, ultrastructure); VISCOSITY.

Hostetler KY

BIOSYNTHESIS OF BIS(MONOACYLGLYCERYL)PHOSPHATE AND ACYLPHOSPHATIDYLGLYCEROL IN RAT LIVER MITOCHONDRIA. Poorthuis BJHM, Hostetler KY *J Biol Chem* 250: 3297-302, 10 May 75 (Eng)

Hotta A

[PROCEEDINGS: ENERGY HOMEOSTASIS. 4. METABOLIC CHANGES AT EPINEPHRINE LOADING IN PATIENTS WITH INSULINOMA] Sakamoto N, Hotta A, Yoshida M, Sato S, Nagashima M *Folia Endocrinol Jpn* 50: 543, 20 Feb 74 (Jpn)

Houziaux MO

[COMPUTER-ASSISTED MEDICAL HISTORY SYSTEM AT THE UNIVERSITY OF LIEGE] Houziaux MO *Rev Med Liege* 30: 528-40, 15 Aug 75 (Fre)
BELGIUM; COMPUTER ASSISTED INSTRUCTION; COMPUTERS; DIABETES MELLITUS (diagnosis); DIAGNOSIS, COMPUTER ASSISTED; HUMAN; MEDICAL HISTORY TAKING; MEDICAL RECORDS; RHEUMATISM (diagnosis).

Howland JL

SUGAR ABSORPTION BY MOUSE SMALL INTESTINE. Herzberg GR, Howland JL *Comp Biochem Physiol* [A] 47: 1191-8, 1 Apr 74 (Eng)

Huang C

MAINTENANCE DIALYSIS FOR DIABETIC NEPHROPATHY WITH UREMIA. Huang C, del Greco F, Ivanovich P, Krumlovsky FA, Roguska J, Simon NM, Hano J *J Chronic Dis* 28: 365-74, Aug 75 (Eng)
ADULT; CHRONIC DISEASE; DIABETIC NEPHROPATHIES (therapy, blood, complications); FEMALE; HEART FAILURE, CONGESTIVE (etiology); HEMODIALYSIS; HOSPITALIZATION; HUMAN; INFECTION (etiology); INSULIN (therapeutic use); KIDNEY (transplantation); MALE; MIDDLE AGE; PANCREATITIS (etiology); PERIPHERAL NERVE DISEASES (etiology); RETINAL DISEASES (etiology); TRANSPLANTATION, ALLOGENEIC; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.; UREMIA (therapy, blood, complications).

Huang JS

OXIDATION OF 14C-LABELED SUBSTRATES BY DOG KIDNEY CORTEX AT 10 AND 38 DEGREES C. Huang JS, Downes GL, Childress GL, Felts JM, Belzer FO *Cryobiology* 11: 387-94, Oct 74 (Eng)

ACETOACETATES (metabolism); ALANINE (metabolism); ANIMAL EXPERIMENTS; CARBON DIOXIDE (metabolism); COMPARATIVE STUDY; DOGS; FEMALE; GLUCOSE (metabolism); GLUTAMATES (metabolism); HYDROXYBUTYRATES (metabolism); IN VITRO; KETONE BODIES (metabolism); KIDNEY CORTEX (metabolism); LINOLEIC ACIDS (metabolism); MALE; OCTANOIC ACIDS (metabolism); OLEIC ACIDS (metabolism); ORGAN PRESERVATION; OXYGEN CONSUMPTION; PALMITIC ACIDS (metabolism); PERFUSION; REFRIGERATION; TISSUE PRESERVATION.

Hubert JP

LETTER: CHLORPROPAMIDE POISONING AND DIABETES INSIPIDUM. De Troyer A, Ectors M, Hubert JP *Lancet* 2: 514, 13 Sep 75 (Eng)

Huchzermeyer H

[PERIPHERAL ARTERIAL DISEASE AND DIABETES MELLITUS(AUTHORS TRANSL)] Jarosch-von Schweder W, Huchzermeyer H, Alexander K, Mitzkat HJ *Dtsch Med Wochenschr* 100: 1827-32, 12 Sep 75 (Ger)

Hughes EC

BIOCHEMICAL PARAMETERS OF ABNORMAL ENDOMETRIUM. Hughes EC, Csermely TV, Jacobs RD, O'Hern P *Gynecol Oncol* 2: 205-20, Aug 74 (Eng)
ADULT; AGED; ALKALINE PHOSPHATASE (analysis); CARBOHYDRATES (metabolism); CELL MEMBRANE PERMEABILITY; CELL NUCLEUS (ultrastructure); CELL WALL (ultrastructure); ENDOMETRIUM (pathology, drug effects); ENERGY METABOLISM; ESTRADIOL (pharmacodynamics); FEMALE; GLUCOSEPHOSPHATASE (analysis); GLYCOGEN SYNTHETASE (metabolism); GLYCOGEN (metabolism); HISTOCYTOCHEMISTRY; HUMAN; HYPERPLASIA (pathology); MENOPAUSE; MICROSCOPY, ELECTRON; MIDDLE AGE; MUCOPOLYSACCHARIDES (metabolism); ORGAN CULTURE; OVULATION; PROGESTERONE (pharmacodynamics); UTERINE HEMORRHAGE (pathology); UTERINE NEOPLASMS (pathology).

Hummel KP

Hummel KP

SYMPOSIUM IV: DIABETIC SYNDROME IN ANIMALS. INFLUENCE OF GENETIC BACKGROUND ON THE EXPRESSION OF MUTATIONS AT THE DIABETES LOCUS IN THE MOUSE. II. STUDIES ON BACKGROUND MODIFIERS. Coleman DL, Hummel KP *Isr J Med Sci* 11: 708-13, Jul 75 (Eng)

Hunneman DH

STUDIES ON THE MASS FRAGMENTOGRAPHIC DETERMINATION OF PLASMA ESTRIOL. Adlercreutz H, Nylander P, Hunneman DH *Biomed Mass Spectrom* 1: 332-9, Oct 74 (Eng)

Hurwitz BJ

LETTER: GLYCEROL, CEREBRAL OEDEMA, AND DIABETES. Hurwitz BJ, Rottenberg DA *Lancet* 2: 369, 23 Aug 75 (Eng)
BRAIN OEDEMA (chemically induced); CASE REPORT; DIABETES MELLITUS (complications); GLYCERIN (adverse effects, therapeutic use); HUMAN; HYPERGLYCEMIA (chemically induced); MALE; MIDDLE AGE.

Husemann B

[THE PHYSIOLOGY OF THE ISOLATED DOG PANCREAS—THE INFLUENCE OF THE ACTUAL BLOOD GLUCOSE LEVEL ON THE BLOOD CIRCULATION IN THE PANCREAS] Hempling H, Husemann B *Arzneim Forsch* 25: 916-8, Jun 75 (Ger)

Iacono JM

COMPOSITION OF DIETS CONTAINING 25 AND 35 PER CENT CALORIES FROM FAT. ANALYZED VS. CALCULATED VALUES. Marshall MW, Iacono JM, Young CW Jr, Washington VA, Slover HT, Leapley P. *J Am Diet Assoc* 66: 470-81, May 75 (Eng)

Iakovlev VA

[ISOLATION OF LIPOPROTEIN LIPASE FROM POSTHEPARIN RAT PLASMA AND DEMONSTRATION OF ITS BIOLOGICAL ACTIVITY] Bazarian GG, Levchuk TP, Malakhova EA, Smirnova VK, Sytina NP, Iakovlev VA *Vopr Med Khim* 20: 14-9, Jan-Feb 74 (Rus)

Iber FL

RELATIVE RATES OF METABOLISM MCT, LCT AND ETHANOL IN MAN. Iber FL *Z Ernährungswiss [Suppl]* 9-16, 1974 (Eng)
ALCOHOL, ETHYL (metabolism); CARBON RADIOISOTOPES, COMPARATIVE STUDY; DIETARY FATS, FATTY ACIDS (metabolism); GLUCOSE (metabolism); HUMAN; MALE; OCTANOIC ACIDS (metabolism); OXIDATION-REDUCTION; STEARIC ACIDS (metabolism); TRIGLYCERIDES (metabolism).

INCREASED RATE OF ALCOHOL REMOVAL FROM BLOOD WITH ORAL FRUCTOSE AND SUCROSE. Soterakis J, Iber FL *Am J Clin Nutr* 28: 254-7, Mar 75 (Eng)

Ichihara K

GLYCOGEN METABOLISM AND THE EFFECT OF NITROGLYCERIN ON THE GLYCOGEN METABOLISM IN THE NORMAL AND ISCHEMIC CANINE MYOCARDIUM. Ichihara K, Abiko Y *Experientia* 31: 477-9, 15 Apr 75 (Eng)

ADENOSINE TRIPHOSPHATE (analysis); ANIMAL EXPERIMENTS, COMPARATIVE STUDY; CORONARY DISEASE (metabolism, enzymology); DEPRESSION, CHEMICAL; DISEASE MODELS, ANIMAL; DOGS; GLUCOSEPHOSPHATES (analysis); GLYCERYL TRINITRATE (pharmacodynamics); GLYCOGEN PHOSPHORYLASE (analysis); GLYCOGEN (metabolism); GLYCOLYSIS (drug effects); HEART (drug effects); LACTATES (analysis); MYOCARDIUM (metabolism,

Diabetes Literature—Author Index

enzymology, analysis); PHOSPHOCREATINE (analysis).

Ichikawa I

[PROCEEDINGS: AGE RELATED CHANGES OF THE PANCREATIC LANGERHANS ISLAND.] Endo T, Ichikawa I, Hannya H, Murachi T *Folia Endocrinol Jpn* 50: 235, 20 Feb 74 (Jpn)

Ichikawa K

[PROCEEDINGS: RADIOIMMUNOASSAY OF GROWTH HORMONE AND PROLACTIN IN THE CULTURE FLUID DERIVED FROM PITUITARY TUMOR] Idemura R, Ichikawa K, Maeda T, Odagiri E, Suda T *Folia Endocrinol Jpn* 50: 289, 20 Feb 74 (Jpn)

[PROCEEDINGS: ISOLATED GROWTH HORMONE DEFICIENCY IN 2 SETS OF SIBLINGS] Ichikawa K, Idemura R, Takano K, Odagiri E, Maeda T *Folia Endocrinol Jpn* 50: 628, 20 Feb 74 (Jpn)
ADOLESCENCE; CHILD; FEMALE; HUMAN; MALE; SOMATOTROPIN (deficiency).

Idemura R

[PROCEEDINGS: RADIOIMMUNOASSAY OF GROWTH HORMONE AND PROLACTIN IN THE CULTURE FLUID DERIVED FROM PITUITARY TUMOR] Idemura R, Ichikawa K, Maeda T, Odagiri E, Suda T *Folia Endocrinol Jpn* 50: 289, 20 Feb 74 (Jpn)

ACROMEGALY (metabolism); ADENOMA, CHROMOPHOBE (metabolism); ADENOMA, EOSINOPHILIC (metabolism); HUMAN; PITUITARY NEOPLASMS (metabolism); PROLACTIN (analysis); RADIOIMMUNOASSAY; SOMATOTROPIN (analysis); TISSUE CULTURE.

[PROCEEDINGS: ISOLATED GROWTH HORMONE DEFICIENCY IN 2 SETS OF SIBLINGS] Ichikawa K, Idemura R, Takano K, Odagiri E, Maeda T *Folia Endocrinol Jpn* 50: 628, 20 Feb 74 (Jpn)

Ieiri S

[PROCEEDINGS: EFFECTS OF GLUCOSE AND ARGININE ON SYNTHESIS AND SECRETION OF PITUITARY GROWTH HORMONE AND PROLACTIN IN RATS] Kasai K, Ieiri S, Yamamoto K *Folia Endocrinol Jpn* 50: 285, 20 Feb 74 (Jpn)

Igarashi M

[PROCEEDINGS: SECRETION DYNAMICS OF HUMAN PROLACTIN] Ebara Y, Igarashi M, Yen SS *Folia Endocrinol Jpn* 50: 288, 20 Feb 74 (Jpn)

Iizuka R

[PROCEEDINGS: SIGNIFICANCE OF GLYCOGEN METABOLISM OF THE ANTERIOR PITUITARY LOBE IN THE MECHANISMS OF LH AND FSH RELEASE] Makino T, Takahata H, Shiina M, Iizuka R, Ono T *Folia Endocrinol Jpn* 50: 260, 20 Feb 74 (Jpn)

Iki Y

[PROCEEDINGS: FLUCTUATION OF GROWTH HORMONE LEVELS IN THE BLOOD CAUSED BY EXERCISES WITH SPECIAL REFERENCE TO SEX DIFFERENCES] Ino T, Tokoro A, Iki Y, Sugimoto T, Umehara C *Folia Endocrinol Jpn* 50: 281, 20 Feb 74 (Jpn)

[PROCEEDINGS: EFFECT OF GLUCOCORTICOID AND ESTROGEN ON GLUCOSE UPTAKE BY THE ADIPOSE TISSUE] Umehara C, Nishikawa Y, Iki Y, Sugimoto T *Folia Endocrinol Jpn* 50: 650, 20 Feb 74 (Jpn)

Iles RA

EFFECT OF PHENFORMIN ON GLUCONEOGENESIS FROM LACTATE AND INTRACELLULAR PH IN THE ISOLATED PERFUSED GUINEA PIG LIVER. Lloyd MH, Iles

RA, Walton B, Hamilton CA, Cohen RD *Diabetes* 24: 618-24, Jul 75 (Eng)

Imae T

INTRINSIC TRYPTOPHAN FLUORESCENCE OF MEMBRANES OF GH3 PITUITARY CELLS: QUENCHING BY THYROTROPIN-RELEASING HORMONE. Imae T, Fasman GD, Hinkle PM, Tashjian AH Jr *Biochem Biophys Res Commun* 62: 923-32, 17 Feb 75 (Eng)
BINDING SITES; CELL LINE; CELL MEMBRANE (drug effects, metabolism); KINETICS; PITUITARY GLAND (metabolism, drug effects); PITUITARY NEOPLASMS; RATS, INBRED WF; RECEPTORS, HORMONE; SPECTROMETRY, FLUORESCENCE; THYROTROPIN-RELEASING HORMONE (pharmacodynamics); TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.

Imbroane L

[POLYGENIC (MULTIFACTORIAL) HEREDITY AND INTERPRETATION OF THE GENETIC COMPONENT IN COMMON DISEASES] Moraru I, Antohi S, Imbroane L *Stud Cercet Med Intern* 14: 3-5, 1973 (Rum)

Immer H

INHIBITION OF GROWTH HORMONE AND THYROTROPIN RELEASE BY GROWTH HORMONE-RELEASE INHIBITING HORMONE. Belanger A, Labrie F, Borgeat P, Savary M, Cote J, Drouin J, Schally AV, Coy DH, Coy EJ, Sestan K, Nelson V, Gotz M, Immer H *Mol Cell Endocrinol* 1: 329-39, Oct 74 (Eng)

Imura H

[PROCEEDINGS: EFFECT OF NICOTINE ON GROWTH HORMONE AND PROLACTIN SECRETION IN RATS] Kato Y, Chihara K, Maeda K, Daigo K, Imura H *Folia Endocrinol Jpn* 50: 266, 20 Feb 74 (Jpn)

[PROCEEDINGS: REGULATORY MECHANISM OF GROWTH HORMONE SECRETION IN RATS] Chihara K, Daigo K, Maeda K, Kato Y, Imura H *Folia Endocrinol Jpn* 50: 271, 20 Feb 74 (Jpn)

Indan L

[DIABETIC AMYOTROPHY] Indan L, Jackowska D, Matyjek J *Pol Tyg Lek* 30: 1537-8, 15 Sep 75 (Pol)
CASE REPORT; DIABETES MELLITUS (therapy); DIABETIC NEUROPATHIES (therapy); ENGLISH ABSTRACT; FEMALE; HUMAN; MIDDLE AGE.

Ino T

[PROCEEDINGS: FLUCTUATION OF GROWTH HORMONE LEVELS IN THE BLOOD CAUSED BY EXERCISES WITH SPECIAL REFERENCE TO SEX DIFFERENCES] Ino T, Tokoro A, Iki Y, Sugimoto T, Umehara C *Folia Endocrinol Jpn* 50: 281, 20 Feb 74 (Jpn)
ADOLESCENCE; ADULT; EXERTION; FEMALE; HUMAN; MALE; SEX FACTORS; SOMATOTROPIN (blood).

Inoue K

AN ELECTRO-OCULOGRAPHIC STUDY OF OCULAR BOBBING AND INTERMITTENT VERTICAL OSCILLATIONS OCCURRING IN THE SAME PATIENT. Nakanishi T, Inoue K, Shimada Y, Toyokura Y *J Neurol* 210: 161-6, 22 Sep 75 (Eng)

Inoue Y

[COMPARISON OF INSULIN REACTIONS IN VARIOUS DISEASES TO GLUCOSE, ARGININE, AND GLUCAGON] Taminato A, Inoue Y, Mori K, Goto K, Kurahachi H *Clin Endocrinol (Tokyo)* 23: 373-9, Apr 75 (Jpn)

Diabetes Literature—Author Index

Jarosch-von Schweder W

Iorio JM

CONTROL OF CARDIAC SARCOLEMAL ADENYLATE CYCLASE AND SODIUM, POTASSIUM-ACTIVATED ADENOSINETRIPHOSPHATASE ACTIVITIES. Tada M, Kirshberger MA, Iorio JM, Katz AM *Circ Res* 36: 8-17, Jan 75 (Eng)

Irie M

[PROCEEDINGS: GROWTH HORMONE (CGH) SECRETION IN THE DOG DURING SLEEPING. 3. THE EFFECT OF LIGHT, DARKNESS AND SLEEP INTERRUPTION] Takahashi K, Takahashi Y, Hoda H, Tsushima T, Irie M *Folia Endocrinol Jpn* 50: 273, 20 Feb 74 (Jpn)

Irondelle MM

[EFFECT OF INSULIN AND DIABETES ON NON-ESTERIFIED FATTY ACID PLASMA LEVELS IN FETUS AND NEWBORN RAT] Picon L, Irondelle MM, Prudont G *C R Acad Sci [D] (Paris)* 279: 2067-9, 23 Dec 74 (Fre)

Isakova DM

[REGULATION OF LIPID SYNTHESIS UNDER CONDITIONS OF A VARYING GROWTH RATE IN CANDIDA TROPICALIS AND IN MICROCOCCUS FREUDENREICHII. Isakova DM, Kvasnikov EI, Loiko ZI *Prikl Biokhim Mikrobiol* 10: 831-6, Nov-Dec 74 (Rus) ALKANES (metabolism); BACTERIOLOGICAL TECHNIQUES; CANDIDA (metabolism, growth & development); CHROMATOGRAPHY, THIN LAYER; COMPARATIVE STUDY; CULTURE MEDIA; ENGLISH ABSTRACT; ESTERS; FATTY ACIDS, NONESTERIFIED (analysis); GLUCOSE (metabolism); GLYCERIDES (analysis); LIPIDS (biosynthesis, analysis); MICROCOCCUS (metabolism, growth & development); OXYGEN CONSUMPTION; PHOSPHOLIPIDS (analysis); STEROLS (analysis); TRIGLYCERIDES (analysis).

Ishii S

GLUCAGON RESPONSE TO ARGININE AFTER TREATMENT OF DIABETES MELLITUS. Ohneda A, Ishii S, Horigome K, Yamagata S *Diabetes* 24: 811-9, Sep 75 (Eng)

Ishikawa K

EFFECT OF GLUCOSE IN ISOPROTERENOL-INDUCED NECROTIC HEART UNDER ANOXIC PERFUSION. Tsuboi T, Osawa Y, Ishikawa K, Yoshida K, Shimizu M *Jpn J Pharmacol* 24: 803-8, Oct 74 (Eng)

[PROCEEDINGS: HYPOTHALAMIC OBESITY IN MAN] Ishikawa K, Yamamoto A, Nishikawa M *Folia Endocrinol Jpn* 50: 648, 20 Feb 74 (Jpn) ENDOCRINE DISEASES (complications); FEMALE; HUMAN; HYPOTHALAMUS (secretion); MALE; OBESITY (etiology); SOMATOTROPIN (blood).

[LIPID-LOWERING EFFECT OF D,L-ALPHA-METHYL THYROXINE ETHYL ESTER (CG-635) AND ITS INFLUENCE ON BASAL METABOLIC RATE, HEART AND THYROID GLAND] Kuwashima J, Tsuboi T, Fujitani B, Ishikawa K, Nakamura K *J Pharm Soc Jpn* 94: 1541-9, Dec 74 (Jpn)

Ishizuka Y

[PROCEEDINGS: STUDY OF GIF (GROWTH HORMONE INHIBITING FACTOR). (II). EFFECT OF GIF ON PLASMA GH AND PROLACTIN LEVELS OF RATS TREATED WITH NEMBUTOL AND CHLORPROMAZINE] Sawano S, Kokubu T, Ishizuka Y, Baba Y *Folia Endocrinol Jpn* 50: 269, 20 Feb 74 (Jpn)

[PROCEEDINGS: PRF ACTIVITY OF THE BOVINE HYPOTHALAMUS] Kokubu T, Shiraki M, Sawano S, Ishizuka Y, Yamazaki M *Folia Endocrinol Jpn* 50: 274, 20 Feb 74 (Jpn)

Iskander F

BIOCHEMICAL CHANGES IN LYMPH INDUCED BY HAEMORRHAGIC SHOCK IN DOGS. Badrain IG, Adel-Kader MM, Ismail AA, Iskander F, Said MI, Barsoum MS *J Egypt Med Assoc* 57: 72-9, 1974 (Eng)

Ismail AA

BIOCHEMICAL CHANGES IN LYMPH INDUCED BY HAEMORRHAGIC SHOCK IN DOGS. Badrain IG, Adel-Kader MM, Ismail AA, Iskander F, Said MI, Barsoum MS *J Egypt Med Assoc* 57: 72-9, 1974 (Eng)

Isobe J

[PROCEEDINGS: BIOLOGICAL ACTION OF GROWTH HORMONE SECRETION INHIBITING FACTOR] Oshima K, Nabusa K, Isobe J, Saito S, Nagao T *Folia Endocrinol Jpn* 50: 272, 20 Feb 74 (Jpn)

Ito S

[RESPONSES TO EXOGENOUS NOREPINEPHRINE IN RATS REARED IN COLD FOR SUCCESSIVE GENERATIONS, WITH SPECIAL REFERENCE TO CHANGES IN METABOLITES IN THE BLOOD (AUTHORS TRANSL)] Moriya K, Maekubo H, Ito S *Hokkaido J Med Sci* 49: 98-102, Mar 74 (Jpn)

Ivanov VT

THE ENNIATIN IONOPHORES. CONFORMATION AND ION BINDING PROPERTIES. Ovchinnikov YA, Ivanov VT, Evstratov AV, Mikhaleva II, Byistrov VF, Portnova SL, Balashova TA, Meshcheryakova EN, Tulchinsky VM *Int J Pept Protein Res* 6: 465-98, 1974 (Eng)

Ivanovich P

MAINTENANCE DIALYSIS FOR DIABETIC NEPHROPATHY WITH UREMIA. Huang C, del Greco F, Ivanovich P, Krumlovsky FA, Roguska J, Simon NM, Hano J *J Chronic Dis* 28: 365-74, Aug 75 (Eng)

Iwabuchi T

[2 CASES OF LOW CARDIAC OUTPUT SYNDROME EFFECTIVELY TREATED WITH INSULIN] Okada K, Ko H, Tochichu H, Iwabuchi T, Kaneda M *Jpn J Anesthesiol* 24: 621-4, Jun 75 (Jpn)

Iwasa Y

[PROCEEDINGS: ETIOLOGICAL CONSIDERATION IN ACROMEGALY: ON THE MULTIRECEPTOR OF THE GROWTH HORMONE SECRETING CELLS] Onaya T, Tsukui T, Sato A, Kobayashi R, Iwasa Y *Folia Endocrinol Jpn* 50: 282, 20 Feb 74 (Jpn)

Izumi F

EFFECTS OF CYCLIC ADENOSINE 3,5-MONOPHOSPHATE AND ITS DIBUTYRYL DERIVATIVES ON CATECHOLAMINE SYNTHESIS IN BOVINE ADRENAL MEDULLARY SLICES. Oka M, Izumi F *FEBS Lett* 51: 253-6, 1 Mar 75 (Eng)

Jackowska D

[DIABETIC AMYOTROPHY] Indan L, Jackowska D, Matyjek J *Pol Tyg Lek* 30: 1537-8, 15 Sep 75 (Pol)

Jackson WP

IMMUNOREACTIVE GLUCAGON RESPONSES TO INTRAVENOUS TOLBUTAMIDE IN CHRONIC PANCREATITIS. Kalk WJ, Vinik AI, Paul M, Leller P, Jackson WP *Diabetes* 24: 851-5, Sep 75 (Eng)

LETTER: CLINICAL ASPECTS OF MONOCOMPONENT INSULIN IN DIABETES. Vinik AI, Jackson WP *Lancet* 2: 5488, 20 Sep 75 (Eng)

Jacobowitz DM

THE NYCTOHEMERAL RHYTHM OF PLASMA PROLACTIN: EFFECTS OF GANGLIONECTOMY, PINEALECTOMY, CONSTANT LIGHT, CONSTANT DARKNESS OR 6-OH-DOPAMINE ADMINISTRATION. Kizer JS, Zivin JA, Jacobowitz DM, Kopin IJ *Endocrinology* 96: 1230-40, May 75 (Eng)

Jacobs LS

RADIORECEPTOR-INACTIVE GROWTH HORMONE ASSOCIATED WITH STIMULATED SECRETION IN NORMAL SUBJECTS. Sneed DS, Jacobs LS, Weldon VV, Trivedi BL, Daughaday HJ *Clin Endocrinol Metab* 41: 471-4, Sep 75 (Eng)

Jacobs ME

EFFECT OF BETA-ALANINE ON GLUCOSE AND FRUCTOSE CATABOLISM IN DROSOPHILA MELANOGASTER WITH NOTES ON BETA-AMINOISOBUTYRIC AND GAMMA-AMINOISOBUTYRIC ACIDS. Jacobs ME *J Insect Physiol* 14: 1259-64, Sep 68 (Eng) ALANINE (pharmacodynamics); AMINOISOBUTYRIC ACIDS (pharmacodynamics); AMINOISOBUTYRIC ACID (pharmacodynamics); ANIMAL EXPERIMENTS; CARBON DIOXIDE (metabolism); COMPARATIVE STUDY; DEPRESSION, CHEMICAL; DROSOPHILA MELANOGASTER (metabolism); FEMALE; FRUCTOSE (metabolism); GABA (pharmacodynamics); GLUCOSE (metabolism).

Jacobs RD

BIOCHEMICAL PARAMETERS OF ABNORMAL ENDOMETRIUM. Hughes EC, Csermely TV, Jacobs RD, O'Hern P *Gynecol Oncol* 2: 205-20, Aug 74 (Eng)

Jaack D

[PANCREATIC TRANSPLANTATION: ENDOCRINE FUNCTION OF THE GRAFTED PANCREAS. CURRENT DATA AND FUTURE PROSPECTS] Eloy R, Jaack D, Schang JC, Van-nareth T, Gillet M, Grenier JF, Moody AJ *Ann Chir* 29: 559-69, Jun 75 (Fre)

Jahnke K

[DEFINITION AND PHYSIOPATHOLOGY OF DIABETIC AND NON-DIABETIC HYPERLIPOPROTEINEMIAS] Jahnke K *Med Welt* 26: 1586-9, 5 Sep 75 (Ger) ADULT; DIABETES MELLITUS (complications); HUN, AN; HYPERLIPIDEMIA (physiopathology, etiology, classification); MIDDLE AGE.

Jahr H

CATABOLISM OF PROINSULIN AND INSULIN. PROTEOLYTIC ACTIVITIES IN LANGERHANS ISLETS OF RAT AND MICE PANCREAS IN VITRO. Zuhke H, Jahr H, Schmidt S, Gottschling D, Wilke B, Kansy H, Kaleta C, Pieper I *Acta Biol Med Ger* 33: 407-18, 1974 (Eng)

Jarosch-von Schweder W

[PERIPHERAL ARTERIAL DISEASE AND DIABETES MELLITUS(AUTHORS TRANSL)] Jarosch-von Schweder W, Huchzermeyer H, Alexander K, Mitzkat HJ *Dtsch Med Wochenschr* 100: 1827-32, 12 Sep 75 (Ger) ARTERIAL OCCLUSIVE DISEASES (complications, classification); ARTERIOSCLEROSIS (complications); ATHEROSCLEROSIS (complications); CORONARY DISEASE (complications); DIABETES MELLITUS (complications); DIABETIC ANGIOPATHIES (complications); ENGLISH ABSTRACT; FEMALE; HUMAN; MALE; MYOCARDIAL INFARCT (complications); PREDIABETIC STATE (complications); SEX FACTORS; TIME FACTORS.

Jarrousse C

Jarrousse C

SYMPOSIUM II: FETOMATERNAL UNIT IN DIABETES. CLINICAL AND EXPERIMENTAL ASPECTS. FUNCTION OF THE FETAL ENDOCRINE PANCREAS. Asplund K, Andersson A, Jarrousse C, Hellerstrom C *Isr J Med Sci* 11: 581-90, Jun 75 (Eng) [50]

Jaskolka H

CHANGES IN PLASMA CORTISOL, GLUCOSE AND FREE FATTY ACIDS AFTER CAFFEINE INGESTION IN OBESE WOMEN. Oberman Z, Herzberg M, Jaskolka H, Harell A, Hoerer E, Laurian I *Isr J Med Sci* 11: 33-6, Jan 75 (Eng)

Jatlow PI

DIRECT DETERMINATION OF TOTAL SERUM CHOLESTEROL BY USE OF DOUBLE-WAVELENGTH SPECTROPHOTOMETRY. Sommers PB, Jatlow PI, Seligson D *Clin Chem* 21: 703-7, May 75 (Eng)

Jausseran JM

[LETTER: STUDY OF SYMPATHETIC GANGLIC BY ELECTRON MICROSCOPY. ANATOMO-CLINICAL RELATIONS IN ARTERIOPATHIES] Courbier R, Jausseran JM, Reggi M, Choux R, Toga M *Nouv Presse Med* 4: 181-4, 14 Jun 75 (Fre)

Jeanrenaud B

METABOLIC ANOMALIES OF THE OBESE-HYPERGLYCEMIC (OB/OB) MICE OF BAR HARBOR. Jeanrenaud B, Assimakopoulos-Jeanet F, Loten EG, Karakash C, Le Marchand Y *Isr J Med Sci* 11: 723-9, Jul 75 (Eng)

ADIPOSE TISSUE (metabolism); ANIMAL; GLUCOSE (metabolism); INSULIN (metabolism, pharmacodynamics, blood); LIPIDS (metabolism); LIVER (metabolism, drug effects); MICE; MICE, INBRED C57BL; MICE, OBESE (metabolism); STREPTOZOTOCIN (pharmacodynamics); TRIGLYCERIDES (metabolism).

Jiang NS

GLUCAGON-BLOOD CATECHOLAMINE TEST: USE IN ISOLATED AND FAMILIAL PHEOCHROMOCYTOMA. Siqueira-Filho AG, Sheps SG, Maher FT, Jiang NS, Elveback LR *Arch Intern Med* 135: 1227-31, Sep 75 (Eng)

Jimenez JA

METABOLIC ALKALOSIS IN DIABETIC KETO-SIS. Jimenez JA, Daminano A, Fernandez E, Rodriguez-Rubio F, Garrido M *JAMA* 233: 1193-4, 15 Sep 75 (Eng)

ACIDOSIS, DIABETIC (complications); ALKALOSIS (complications, etiology); CASE REPORT; DEHYDRATION (etiology); FEMALE; HUMAN; KETOSIS, DIABETIC (complications); MIDDLE AGE; POLYURIA (complications); VOMITING (complications).

Johansson C

STUDIES OF GASTROINTESTINAL INTERACTIONS. VII. CHARACTERISTICS OF THE ABSORPTION PATTERN OF SUGAR, FAT AND PROTEIN FROM COMPOSITE MEALS IN MAN. A QUANTITATIVE STUDY. Johansson C *Scand J Gastroenterol* 10: 33-42, 1975 (Eng)

DIETARY CARBOHYDRATES (metabolism); DIETARY FATS (metabolism); FOOD; GASTROINTESTINAL MOTILITY; GLUCOSE (metabolism); HUMAN; INDICATOR DILUTION TECHNIQUE; INTESTINAL ABSORPTION; JEJUNUM (metabolism); MILK PROTEINS (metabolism); MONOSACCHARIDES (metabolism); TIME FACTORS.

Johansson DC

TIME RELATIONSHIPS IN HORMONE RESPONSES: INCREASED OVARIAN LACTIC ACID PRODUCTION IN VITRO AND ESTROGEN PRODUCTION IN VIVO IN IMMATURE FEMALE RATS TREATED WITH PMS.

Diabetes Literature—Author Index

Sashida T, Johnson DC *Biol Reprod* 12: 212-22, Mar 75 (Eng)

Johnson J

COMPARISON OF 125-I-INSULIN BINDING AND DEGRADATION TO ISOLATED RAT HEPATOCYTES AND LIVER MEMBRANES. Olefsky J, Johnson J, Liu F, Edwards P, Baur S *Diabetes* 24: 801-10, Sep 75 (Eng)

Johnson RA

HORMONAL CONTROL OF CYCLIC 3:5-AMP LEVELS AND GLUCONEOGENESIS IN ISOLATED HEPATOCYTES FROM FED RATS. Pilks SJ, Claus TH, Johnson RA, Park CR *J Biol Chem* 250: 6328-36, 25 Aug 75 (Eng)

LIVER MEMBRANE ADENYLATE CYCLASE. SYNERGISTIC EFFECTS OF ANIONS ON FLUORIDE, GLUCAGON, AND GUANYL NUCLEOTIDE STIMULATION. Johnson RA, Pilks SJ, Hamet P *J Biol Chem* 250: 6599-607, 25 Aug 75 (Eng)

ADENOSINE TRIPHOSPHATASE (metabolism); ADENYL CYCLASE (metabolism); ANIMAL; ANIONS; AZIDES (pharmacodynamics); CELL MEMBRANE (enzymology, drug effects); CYANIDES (pharmacodynamics); ENZYME ACTIVATION (drug effects); FLUORIDES (pharmacodynamics); GLUCAGON (pharmacodynamics); GUANINE NUCLEOTIDES (pharmacodynamics); GUANOSINE TRIPHOSPHATE (pharmacodynamics); KINETICS; LIVER (enzymology, drug effects); RATS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Johnson WJ

METABOLIC PROBLEMS IN DIABETIC PATIENTS UNDERGOING RENAL TRANSPLANTATION. Palumbo PJ, Woods JE, Johnson WJ, Service FJ *Kidney Int [Suppl]* 58-62, Oct 74 (Eng)

Jokanovic R

[OUR EXPERIENCE WITH THE TUBERCULOUS INFECTION IN CHILDREN] Jokanovic R, Nikezić M, Necić S *Srp Arh Celok Lek* 102: 866-73, Dec 74 (Ser)

ADOLESCENCE; CASE REPORT; CHILD; CHILD, PRESCHOOL; DIABETES MELLITUS, JUVENILE (complications); ENGLISH ABSTRACT; FEMALE; HUMAN; INFANT; MALE; TUBERCULOSIS (etiology).

Jones AS

PROCEEDINGS: BLOOD FLOW AND FREE AMINO NITROGEN (FAN) CONCENTRATION IN THE PORTAL VEIN OF THE PIG. Farrell DJ, Jones AS, Webster AJ, White F *Proc Nutr Soc* 33: 32a-33a, Sep 74 (Eng)

Jones MD Jr

PLACENTAL PRODUCTION AND FOETAL UTILISATION OF LACTATE AND PYRUVATE. Burd LI, Jones MD Jr, Simmons MA, Makowski EL, Meschia G, Battaglia FC *Nature* 254: 710-1, 24 Apr 75 (Eng)

Jones-Mortimer MC

PTSX: A GENE INVOLVED IN THE UPTAKE OF GLUCOSE AND FRUCTOSE BY ESCHERICHIA COLI. Kornberg HL, Jones-Mortimer MC *FEBS Lett* 51: 1-4, 1 Mar 75 (Eng)

Josifko M

[THE SPERMIOGRAMS OF DIABETIC AND NONDIABETIC PATIENTS WITH DISTURBANCES OF POTENCY (AUTHORS TRANSL)] Bartak V, Josifko M *Cas Lek Cesk* 114: 724-5, 13 Jun 75 (Cze)

Juhn D

SERUM PROINSULIN IN CHILDREN AND ADOLESCENTS WITH CHEMICAL

DIABETES. Rosenbloom AL, Starr JJ, Juhn D, Rubenstein AH *Diabetes* 24: 753-7, Aug 75 (Eng)

Juliano J

COMBINED HYPERLIPOPROTEINEMIA. EVIDENCE FOR A NEW LIPOPROTEIN PHENOTYPE. Rose HG, Kranz P, Weinstock M, Juliano J, Haft JJ *Atherosclerosis* 20: 51-64, Jul-Aug 74 (Eng)

Jullien G

ERYTHROCYTE 2,3-DIPHOSPHOGLYCERATE AS RELATED TO DIABETES AND OBESITY. Kalofoutis A, Jullien G, Koutselinis A, Miras C *Clin Chem* 21: 1414-5, Sep 75 (Eng)

Jung CY

GLUCOSE TRANSPORT CARRIER IN HUMAN ERYTHROCYTE MEMBRANES. DINITROPHENYLATION OF A MEMBRANE COMPONENT MODIFIED BY D-GLUCOSE. Jung CY, Carlson LM *J Biol Chem* 250: 3217-20, 10 May 75 (Eng)

CELL MEMBRANE (metabolism); DINITROFLUOROBENZENE (pharmacodynamics); ELECTROPHORESIS, POLYACRYLAMIDE GEL; ERYTHROCYTES (metabolism); GEL FILTRATION; GLUCOSE (pharmacodynamics); HUMAN; MANNITOL (pharmacodynamics); MOLECULAR WEIGHT; NITROBENZENES (pharmacodynamics); PROTEINS (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Junga I

CHARACTERIZATION OF ERYTHROCYTE MEMBRANE-ASSOCIATED ENZYMES (GLYCERALDEHYDE-3-PHOSPHATE DEHYDROGENASE AND PHOSPHOGLYCERIC KINASE). Schrier SL, Ben-Bassat I, Junga I, Seeger M, Grumet FC *J Lab Clin Med* 85: 797-810, May 75 (Eng)

Jungas RL

REGULATION OF PYRUVATE DEHYDROGENASE IN ISOLATED RAT LIVER MITOCHONDRIA. EFFECTS OF OCTANOATE, OXIDATION-REDUCTION STATE, AND ADENOSINE TRIPHOSPHATE TO ADENOSINE DIPHOSPHATE RATIO. Taylor SI, Mukherjee C, Jungas RL *J Biol Chem* 250: 2028-35, 25 Mar 75 (Eng)

Jungmann E

[BLOOD LACTATE LEVEL FOLLOWING INTRAVENOUS ADMINISTRATION OF SULFONYLUREA COMPOUNDS IN EQUIPOTENT DOSES, OF GLUCOSE AND COMBINATIONS OF GLUCOSE AND SULFONYLUREA COMPOUNDS IN SUBJECTS WITH NORMAL METABOLISM] Jungmann E, Beyer J, Happ J, Scherer U, Schoffling K *Verh Dtsch Ges Inn Med* 80: 1302-4, 1974 (Ger)

GLUCOSE (administration & dosage, metabolism); HUMAN; LACTATES (blood, metabolism); SULFONYLUREA COMPOUNDS (administration & dosage, metabolism).

Juszczyk J

[EFFECT OF GLUCAGON ON INSULIN SECRETION IN ACUTE VIRAL HEPATITIS] Kiczka W, Juszczyk J, Adamek J, Kosowicz J, Porawska J *Pol Tyg Lek* 30: 1295-8, 4-11 Aug 75 (Pol)

Jutisz M

[ROLE OF THE HYPOTHALAMUS IN THE REGULATION OF PITUITARY GONADOTROPINS SECRETION] Jutisz M *Endokrynol Pol* 25: 437-47, Nov-Dec 74 (Pol)

ANIMAL EXPERIMENTS; CHEMISTRY; FEMALE; FSH (secretion); GONADOTROPINS, PITUITARY (secretion); HYPOTHALAMUS

Diabetes Literature—Author Index

Kansy H

(physiology); LH (secretion); LH-FSH
RELEASING HORMONE (physiology); RATS;
SHEEP.

Kabara JJ

**A NON-CALORIC ROLE FOR MCT AND
OTHER LIPIDS.** Kabara JJ, Conley AJ *Z Er-
nahrungswiss [Suppl]* 17-26, 1974 (Eng)
ANTIBIOTICS; BACTERIA (drug effects);
ESTERS; FATTY ACIDS (pharmacodynamics);
FATTY ACIDS, UNSATURATED
(pharmacodynamics); GLYCERIDES
(pharmacodynamics); ISOMERISM;
MOLECULAR CONFORMATION;
STAPHYLOCOCCUS (drug effects);
STREPTOCOCCUS (drug effects); STRUCTURE-
ACTIVITY RELATIONSHIP; SUCROSE;
TRIGLYCERIDES (pharmacodynamics).

Kaczorowski G

**COUPLING OF ALANINE RACEMASE AND D-
ALANINE DEHYDROGENASE TO ACTIVE
TRANSPORT OF AMINO ACIDS IN
ESCHERICHIA COLI B MEMBRANE VESI-
CLES.** Kaczorowski G, Shaw L, F-entes M,
Walsh C *J Biol Chem* 250: 2855-65, 25 Apr 75
(Eng)

ACETIC ACIDS (pharmacodynamics); ALANINE
(pharmacodynamics, analogs & derivatives);
AMINO ACID ISOMERASES (metabolism);
AMINO ACID OXIDOREDUCTASES
(metabolism); AMINO ACIDS (metabolism);
BIOLOGICAL TRANSPORT, ACTIVE; CELL
MEMBRANE (metabolism, drug effects);
DINITROPHENOLS (pharmacodynamics);
DITHIOTHREITOL (pharmacodynamics);
ESCHERICHIA COLI (metabolism);
HYDROXYLAMINES (pharmacodynamics);
KINETICS; PROLINE (metabolism);
PYRUVATES (pharmacodynamics);
STEREISOMERS; TIME FACTORS; UNITED
STATES GOVERNMENT SUPPORTED, N.I.H.;
UNITED STATES GOVERNMENT
SUPPORTED, NON-N.I.H..

kadota T

**STUDY OF THE MECHANISM OF THYROID
HORMONE SECRETION IN AN IN VITRO
MODEL SYSTEM: INDIRECT EVIDENCE
FOR FUSION OF LYSOSOMES WITH
THYROGLOBULIN LIPOSOMES.** Kawada 4,
kadota T, Yoshimura Y, Kurata M *Endocrinology*
96: 1196-200, May 75 (Eng)

Kadziolka A

**[THE INFLUENCE OF ATHEROGENIC DIET
AND COUMARIN ON THE ACCUMULATION
OF TOTAL FATS AND CHOLESTEROL IN
THE COMBS OF COCKS (AUTHORS
TRANSL.)]** Rucinski T, Kadziolka A, Ziolo T *Ann
Univ Mariae Curie Skłodowska [Med]* 27: 115-
22, 1972 (Pol)

Kaffarnik H

**[INFLUENCE OF OVULATION INHIBITORS ON
GLUCOSE METABOLISM]** Hausmann L, Kaf-
farnik H *Dtsch Med Wochenschr* 100: 1703-9, 22
Aug 75 (Ger) [59]

Kageyama N

**[PROCEEDINGS: EFFECT OF PITUITARY
STALK SECTION ON GROWTH HORMONE
AND CORTISOL SECRETION IN RHESUS
MONKEY]** Kuwayama A, Shintani A, Kageyama
N, Zervas NT *Folia Endocrinol Jpn* 50: 280, 20
Feb 74 (Jpn)

Kahn CB

**NEUROPATHY IN TRANSPLANTED DIABETIC
PATIENTS.** Wilson RE, Goldman MH, Yen MC,
Kassissieh SD, Strom T, Kahn CB *Kidney Int*
[Suppl] 90-4, Oct 74 (Eng)

Kahn CR

**RADIORECEPTOR ASSAY OF INSULIN: COM-
PARISON OF PLASMA AND PANCREATIC
INSULINS AND PROINSULINS.** Gavin JR 3d,
Kahn CR, Gorden P, Roth J, Neville DM Jr *J Clin
Endocrinol Metab* 41: 438-45, Sep 75 (Eng)

**CIRCULATING NSILA-S IN MAN: PRELIMINARY
STUDIES OF STIMULI IN VIVO AND OF
BINDING TO PLASMA COMPONENTS.** Mc-
gyesi K, Kahn CR, Roth J, Gorden P *J Clin En-
docrinol Metab* 41: 475-84, Sep 75 (Eng)

**INSULIN RECEPTOR DEFICIENCY IN
GENETIC AND ACQUIRED OBESITY.** Soli
AH, Kahn CR, Neville DM Jr, Roth J *J Clin In-
vest* 56: 769-80, Oct 75 (Eng)

Kaiser H

**[LETTER: GLUCOCORTICOIDS AND LIPID
METABOLISM]** Kaiser H *Dtsch Med
Wochenschr* 99: 1841, 13 Sep 74 (Ger)
CHOLESTEROL (metabolism);
GLUCOCORTICOIDS (pharmacodynamics,
therapeutic use); HUMAN; LIPIDS (metabolism);
SARCOIDOSIS (drug therapy).

Kaississieh SD

**HEMODIALYSIS-RELATED PROBLEMS IN PA-
TIENTS WITH DIABETES MELLITUS.** Kaissis-
sieh SD, Yen MC, Lazarus M, Lowrie EG, Gold-
stein HH, Takacs FJ, Hampers CL, Merrill JD
Kidney Int [Suppl] 100-7, Oct 74 (Eng)
ADULT; ANGINA PECTORIS (etiology);
ARTERIOVENOUS SHUNT, SURGICAL;
BLINDNESS (etiology); CARDIOVASCULAR
DISEASES (complications); CATARACT
(etiology); CATTLE, DIABETES MELLITUS
(mortality, complications); DIABETES
MELLITUS, JUVENILE (complications,
mortality, occurrence); DIABETIC
ANGIOPATHIES (complications); DIABETIC
NEPHROPATHIES (therapy); FEMALE; HEART
FAILURE, CONGESTIVE (etiology);
HEMODIALYSIS (adverse effects);
HEMODIALYSIS, HOME (adverse effects);
HUMAN; HYPERTENSION (etiology); INSULIN
(administration & dosage); KIDNEY FAILURE,
CHRONIC (therapy); MALE; MIDDLE AGE;
MYOCARDIAL INFARCT (etiology).

Kalckar HM

**UPTAKE PATTERNS AND TRANSPORT
ENHANCEMENTS IN CULTURES OF
HAMSTER CELLS DEPRIVED OF CAR-
BOHYDRATES.** Ullrey D, Gammon MT,
Kalckar HM *Arch Biochem Biophys* 167: 410-6,
Apr 75 (Eng)

Kaleta C

**CATABOLISM OF PROINSULIN AND INSULIN.
PROTEOLYTIC ACTIVITIES IN LANGER-
HANS ISLETS OF RAT AND MICE PAN-
CREAS IN VITRO.** Zuhlke H, Jahr H, Schmidt
S, Gottschling D, Wilke B, Kansy H, Kaleta C,
Pieper I *Acta Biol Med Ger* 33: 407-18, 1974
(Eng)

Kalhan SC

**INHIBITORY EFFECT OF PREDNISONE ON IN-
SULIN SECRETION IN MAN: MODEL FOR
DUPLICATION OF BLOOD GLUCOSE CON-
CENTRATION.** Kalhan SC, Adam PA *J Clin En-
docrinol Metab* 41: 600-10, Sep 75 (Eng)
BLOOD SUGAR (analysis); DEPRESSION,
CHEMICAL; FASTING; GLUCOSE
(metabolism); HUMAN; INSULIN (secretion);
MALE; MODELS, BIOLOGICAL; PREDNISONE
(pharmacodynamics); STIMULATION,
CHEMICAL; UNITED STATES GOVERNMENT
SUPPORTED, N.I.H..

Kalk WJ

**IMMUNOREACTIVE GLUCAGON RESPONSES
TO INTRAVENOUS TOLBUTAMIDE IN
CHRONIC PANCREATITIS.** Kalk WJ, Vinik

AI, Paul M, Leller P, Jackson WP *Diabetes* 24:
851-5, Sep 75 (Eng)

**ADULT; ALCOHOLISM (complications);
BLOOD SUGAR (metabolism); CHRONIC
DISEASE; GLUCAGON (secretion, immunology,
blood); HUMAN; INSULIN (blood); MALE;
MIDDLE AGE; PANCREATITIS
(physiopathology, complications);
TOLBUTAMIDE (diagnostic use).**

Kalkhoff RK

**SEX STEROID INFLUENCE ON
TRIGLYCERIDE METABOLISM.** Kim HJ,
Kalkhoff RK *J Clin Invest* 56: 888-96, Oct 75
(Eng)

Kalofoutis A

**ERYTHROCYTE 2,3-DIPHOSPHOGLYCERATE
AS RELATED TO DIABETES AND OBESITY.**
Kalofoutis A, Jullien G, Koutselinis A, Miras C
Clin Chem 21: 1414-5, Sep 75 (Eng)
ADOLESCENCE, ADULT; BICARBONATES
(blood); DIABETES MELLITUS (blood);
DIPHOSPHOGLYCERIC ACIDS (blood);
ERYTHROCYTES (analysis); FEMALE;
HEMATOCRIT; HEMOGLOBINOMETRY;
HUMAN; MALE; MIDDLE AGE; OBESITY
(blood).

Kamin H

**THE PURIFICATION AND SOME PROPERTIES
OF ELECTRON TRANSFER FLAVOPROTEIN
AND GENERAL FATTY ACYL COENZYME A
DEHYDROGENASE FROM PIG LIVER
MITOCHONDRIA.** Hall CL, Kamin H *J Biol
Chem* 250: 3476-86, 10 May 75 (Eng)

Kaneda M

**[2 CASES OF LOW CARDIAC OUTPUT SYN-
DROME EFFECTIVELY TREATED WITH IN-
SULIN]** Okada K, Ko H, Tochichu H, Iwabuchi
T, Kaneda M *Jpn J Anesthesiol* 24: 621-4, Jun 75
(Jpn)

Kaneko T

**[PROCEEDINGS: SOMATOTROPIN-RELEASE
INHIBITING FACTOR]** Kaneko T, Oka H, Mu-
nemura M, Oda T, Yamashita K *Folia Endocrinol
Jpn* 50: 270, 20 Feb 74 (Jpn)
ANIMAL EXPERIMENTS; MALE; PEPTIDES
(pharmacodynamics); PITUITARY GLAND
(secretion); RATS; SOMATOTROPIN
(secretion).

Kannel WB

**CHANGES ASSOCIATED WITH QUITTING
CIGARETTE SMOKING: THE
FRAMINGHAM STUDY.** Gordon T, Kannel
WB, Dawber TR, McGee D *Am Heart J* 90: 322-
8, Sep 75 (Eng)

Kansal VK

**STUDIES ON THE ACTION OF HORMONES ON
THE INTESTINAL TRANSPORT OF L-
HISTIDINE.** Kansal VK, Wagle DS *Indian J
Physiol Pharmacol* 19: 28-33, Jan-Mar 75 (Eng)
ALLOXAN DIABETES (metabolism); ANIMAL;
BIOLOGICAL TRANSPORT (drug effects);
CORTICOTROPIN (pharmacodynamics);
FEMALE; HISTIDINE (metabolism);
HORMONES (pharmacodynamics);
HYDROCORTISONE (pharmacodynamics); IN
VITRO; INSULIN (pharmacodynamics);
INTESTINAL ABSORPTION (drug effects);
INTESTINE, SMALL (metabolism); RATS;
STIMULATION, CHEMICAL; THYROXINE
(pharmacodynamics).

Kansy H

**CATABOLISM OF PROINSULIN AND INSULIN.
PROTEOLYTIC ACTIVITIES IN LANGER-
HANS ISLETS OF RAT AND MICE PAN-
CREAS IN VITRO.** Zuhlke H, Jahr H, Schmidt
S, Gottschling D, Wilke B, Kansy H, Kaleta C,
Pieper I *Acta Biol Med Ger* 33: 407-18, 1974
(Eng)

Diabetes Literature—Author Index

Kanter Y

Kanter Y

RED CELL 2, 3-DIPHOSPHOGLYCERATE LEVELS AMONG DIABETIC PATIENTS WITH AND WITHOUT VASCULAR COMPLICATIONS. Kanter Y, Bessman SP, Bessman A *Diabetes* 24: 724-9, Aug 75 (Eng)
CEREBROVASCULAR DISORDERS (blood); DIABETES MELLITUS (blood); DIABETIC ANGIOPATHIES (blood); DIABETIC NEPHROPATHIES (blood); DIABETIC NEUROPATHIES (blood); DIABETIC RETINOPATHIES (blood); DIPHOSPHOGLYCERIC ACIDS (blood); ERYTHROCYTES (metabolism); FEMALE; GANGRENE (blood, complications); HUMAN; LEG; MALE; MYOCARDIAL INFARCT (blood); VEINS.

Karakash C

METABOLIC ANOMALIES OF THE OBESE-HYPERGLYCEMIC (OB/OB) MICE OF BAR HANBOR. Jeanrenaud B, Assimakopoulos-Jeanne F, Loten EG, Karakash C, Le Marchand Y *Isr J Med Sci* 11: 723-9, Jul 75 (Eng)

Karam JH

DETERMINATION OF PHENFORMIN IN BIOLOGICAL FLUIDS USING CHEMICAL IONIZATION MASS SPECTROMETRY. Matin SB, Karam JH, Forsham PH, Knight JB *Biomed Mass Spectrom* 1: 320-2, Oct 74 (Eng)

Karlsh SJ

THE SODIUM PUMP. Glynn IM, Karlsh SJ *Annu Rev Physiol* 37: 13-55, 1975 (Eng)

Karowski K

[VIRAL HEPATITIS AND DIABETES MELLITUS] Trunevska B, Mironski S, Karowski K, Plasevski A, Petrovski K *God Zb Med Fak Skopje* 17: 407-13, 1971 (Ser)

Karpati P

NOREPINEPHRINE CONCENTRATION IN HEART MUSCLE AND HYPOTHALAMUS DURING ACIDOSIS IN THE RAT. Karpati P, Preda I, Endrocz E *Acta Physiol Acad Sci Hung* 43: 315-20, 1973 (Eng)

ACIDOSIS (metabolism, chemically induced, drug therapy); ANIMAL EXPERIMENTS; HYDROCHLORIC ACID; HYPOTHALAMUS (analysis); MALE; MYOCARDIUM (analysis); NOREPINEPHRINE (analysis); RATS; RESERPINE (therapeutic use).

Kasai K

[PROCEEDINGS: EFFECTS OF GLUCOSE AND ARGININE ON SYNTHESIS AND SECRETION OF PITUITARY GROWTH HORMONE AND PROLACTIN IN RATS] Kasai K, Ieiri S, Yamamoto K *Folia Endocrinol Jpn* 50: 285, 20 Feb 74 (Jpn)

ANIMAL EXPERIMENTS; ARGININE (pharmacodynamics); GLUCOSE (pharmacodynamics); PITUITARY GLAND (physiology); PROLACTIN (biosynthesis, secretion); RATS; SOMATOTROPIN (secretion, biosynthesis).

Kasak LE

ARTERIAL LYCOSOMES AND CONNECTIVE TISSUE IN PRIMATE ATHEROSCLEROSIS AND HYPERTENSION. Wolinsky H, Goldfischer S, Daly MM, Kasak LE, Colloff-Schiller B *Circ Res* 36: 553-61, Apr 75 (Eng)

Kasatkina EP

[DIABETES MELLITUS IN CHILDREN AND ADOLESCENTS (THERAPY, PREVENTION)] Vasjukova EA, Kasatkina EP *Sov Med* 52-6, Jun 75 (Rus)

Kass EH

PLASMA LIPIDS AND LIPOPROTEINS IN VEGETARIANS AND CONTROLS. Sacks FM,

Castelli WP, Donner A, Kass EH *N Engl J Med* 292: 1148-51, 29 May 75 (Eng)

Kassissieh SD

NEUROPATHY IN TRANSPLANTED DIABETIC PATIENTS. Wilson RE, Goldman MH, Yen MC, Kassissieh SD, Strom T, Kahn CB *Kidney Int [Suppl]* 90-4, Oct 74 (Eng)

Kato K

[CHANGES IN THE FATTY ACID COMPOSITION OF SERUM FREE FATTY ACID AFTER GLUCOSE LOAD (AUTHORS TRANSL.)] Kato K, Kikuchi S, Takeyama N, Komatsu T *Jpn J Clin Pathol* 22: 886-8, Dec 74 (Jpn)

ADULT; FATTY ACIDS, NONESTERIFIED (blood); FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; MALE.

Kato T

[PROCEEDINGS: TSH RESPONSE IN TRH LOADING TEST IN PATIENTS WITH OBESITY. 2. A COMPARISON WITH THIN PATIENTS] Suzuki A, Kato T, Maruyama H, Suzuki H, Takabayashi Y *Folia Endocrinol Jpn* 50: 111, 20 Feb 74 (Jpn)

Kato Y

PASMA GROWTH HORMONE RESPONSES TO THYROTROPIN-RELEASING HORMONE IN THE URETHANE-ANESTHETIZED RAT. Kato Y, Chihara K, Maeda K, Ogo S, Okanishi Y *Endocrinology* 96: 1114-8, May 75 (Eng)

ANESTHESIA, GENERAL; ANIMAL EXPERIMENTS; DEPRESSION, CHEMICAL; DOSE-RESPONSE RELATIONSHIP, DRUG; INJECTIONS, INTRAVENOUS; MALE; RATS; SOMATOTROPIN RELEASE INHIBITING HORMONE (pharmacodynamics); SOMATOTROPIN (blood); STIMULATION, CHEMICAL; THYROTROPIN-RELEASING HORMONE (pharmacodynamics); THYROXINE (pharmacodynamics); TIME FACTORS; TRIIODOTHYRONINE (pharmacodynamics); URETHANE.

[PROCEEDINGS: EFFECT OF NICOTINE ON GROWTH HORMONE AND PROLACTIN SECRETION IN RATS] Kato Y, Chihara K, Maeda K, Daigo K, Imura H *Folia Endocrinol Jpn* 50: 266, 20 Feb 74 (Jpn)

ANIMAL EXPERIMENTS; MALE; NICOTINE (pharmacodynamics); PROLACTIN (secretion); RATS; SOMATOTROPIN (secretion).

[PROCEEDINGS: EFFECT OF TRH ON PITUITARY HORMONE, ESPECIALLY GROWTH HORMONE SECRETION, IN DEPRESSION] Maeda K, Yamaguchi N, Kato Y, Chihara K, Taigo K *Folia Endocrinol Jpn* 50: 267, 20 Feb 74 (Jpn)

[PROCEEDINGS: REGULATORY MECHANISM OF GROWTH HORMONE SECRETION IN RATS] Chihara K, Daigo K, Maeda K, Kato Y, Imura H *Folia Endocrinol Jpn* 50: 271, 20 Feb 74 (Jpn)

Katocs AS Jr

PERIFUSED FAT CELLS. Allen DO, Largis EE, Katocs AS Jr, Ashmore J *Methods Enzymol* 35: 607-12, 1975 (Eng)

Katz AM

EFFECT OF ETHANOL AND ACETALDEHYDE ON THE (NA& &K&)-ACTIVATED ADENOSINE TRIPHOSPHATASE ACTIVITY OF CARDIAC PLASMA MEMBRANES. Williams JW, Tada M, Katz AM, Rubin E *Biochem Pharmacol* 24: 27-32, 1 Jan 75 (Eng)

CONTROL OF CARDIAC SARCOLEMMA ADENYLATE CYCLASE AND SODIUM, POTASSIUM-ACTIVATED ADENOSINETRIPHOSPHATASE ACTIVITIES. Tada M, Kirchberger MA, Iorio JM, Katz AM *Circ Res* 36: 8-17, Jan 75 (Eng)

Katz RS

METHIONINE TOXICITY IN THE CHICK: NUTRITIONAL AND METABOLIC IMPLICATIONS. Katz RS, Baker DH *J Nutr* 105: 1168-75, Sep 75 (Eng)

ADENINE (pharmacodynamics); AMINO ACIDS (pharmacodynamics); ANIMAL; ARGININE (pharmacodynamics); BLOOD SUGAR (metabolism); BODY WEIGHT (drug effects); CHICKENS (metabolism); GLYCINE (pharmacodynamics); HYPOGLYCEMIA (chemically induced); ISOLEUCINE (metabolism); MALE; METHIONINE (adverse effects); SERINE (pharmacodynamics); THREONINE (pharmacodynamics).

Kaufman NA

EFFECTS OF CARBOHYDRATE-FREE DIETS ON THE INSULIN-CARBOHYDRATE RELATIONSHIPS IN RATS. Carmel N, Konijn AM, Kaufman NA, Guggenheim K *J Nutr* 105: 1141-9, Sep 75 (Eng)

Kaufmann RL

PLASMA LIPID LEVELS IN DIABETIC CHILDREN. EFFECT OF DIET RESTRICTED IN CHOLESTEROL AND SATURATED FATS. Kaufmann RL, Assal JPh, Soeldner JS, Wilmschurst EG, Lemaire JR, Gleason RE, White P *Diabetes* 24: 672-9, Jul 75 (Eng)

ADOLESCENCE; BLOOD SUGAR (metabolism); CHILD; CHOLESTEROL (blood); CHOLESTEROL, DIETARY (administration & dosage); DIABETES MELLITUS, JUVENILE (metabolism, diet therapy); DIETARY FATS (administration & dosage); FASTING; FATS, UNSATURATED (administration & dosage); FEMALE; HUMAN; HYPERLIPIDEMIA (classification); LIPIDS (blood); LIPOPROTEINS (blood); MALE; SEX FACTORS; TRIGLYCERIDES (blood); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Kaul L

EFFECT OF MEAL-FEEDING ON THE DAILY VARIATIONS OF INSULIN, GLUCOSE, AND NADP-LINKED DEHYDROGENASES IN RATS. Kaul L, Berdanier CD *J Nutr* 105: 1132-40, Sep 75 (Eng)

ADRENAL GLANDS (physiology); ADRENALECTOMY; ANIMAL; BLOOD SUGAR (metabolism); CIRCADIAN RHYTHM; FEEDING PATTERNS; GLUCOSEPHOSPHATE DEHYDROGENASE (metabolism); INSULIN (blood); LIVER (enzymology); MALATE DEHYDROGENASE (metabolism); MALE; RATS.

EFFECT OF PANCREATECTOMY OR ADRENALECTOMY ON THE RESPONSES OF RATS TO MEAL-FEEDING. Kaul L, Berdanier CD *J Nutr* 105: 1176-85, Sep 75 (Eng)

ADRENAL GLANDS (physiology); ADRENALECTOMY; ANIMAL; BLOOD SUGAR (metabolism); CHOLESTEROL (blood); DIETARY CARBOHYDRATES (administration & dosage); DIETARY FATS (administration & dosage); FEEDING PATTERNS; GLUCOCORTICOIDS (pharmacodynamics); GLUCOSE (pharmacodynamics); GLUCOSEPHOSPHATE DEHYDROGENASE (metabolism); INSULIN (blood); LIPIDS (metabolism); LIVER (metabolism); MALATE DEHYDROGENASE (metabolism); MALE; PANCREAS (physiology); PANCREATECTOMY; RATS; STARCH (pharmacodynamics).

Kawabata T

[PROCEEDINGS: DEFICIENCIES OF GROWTH HORMONE, THYROID STIMULATING HORMONE AND GONAD STIMULATING HORMONE IN A BROTHER AND SISTER] Shishiba Y, Shimizu T, Ozawa Y, Kawabata T *Folia Endocrinol Jpn* 50: 625, 20 Feb 74 (Jpn)

Kawada 4

STUDY OF THE MECHANISM OF THYROID HORMONE SECRETION IN AN IN VITRO MODEL SYSTEM: INDIRECT EVIDENCE FOR FUSION OF LYSOSOMES WITH THYROGLOBULIN LIPOSOMES. Kawada 4, kadota T, Yoshimura Y, Kurata M *Endocrinology* 96: 1196-200, May 75 (Eng)
ADENOSINE TRIPHOSPHATE (pharmacodynamics); **ANAEROBIOSES**; **ANIMAL EXPERIMENTS**; **CHLOROMERCURIBENZOATES** (pharmacodynamics); **CHLOROPROMAZINE**; **CYSTEINE** (pharmacodynamics); **DIBUTYRYL CYCLIC AMP** (pharmacodynamics); **HYDROGEN-ION CONCENTRATION**; **HYDROLYSIS**; **IN VITRO**; **LIPOSOMES** (metabolism); **LYSOSOMES** (metabolism); **MODELS**, **BIOLOGICAL**; **RATS**; **THYROGLOBULIN** (metabolism); **THYROID GLAND** (ultrastructure); **THYROID HORMONES** (secretion); **TIME FACTORS**.

Kawaguchi M

[EFFECT OF PROSCILLARIDIN ON ACTIVE CATION TRANSPORT ACROSS HUMAN RED CELL MEMBRANE (AUTHORS TRANSL.) Nishida H, Saito H, Kawaguchi M *Hokkaido J Med Sci* 49: 235-9, May 74 (Jpn)

Kawamura M

[METHOD FOR THE ISOLATION OF HUMAN GLOMERULAR BASEMENT MEMBRANE (AUTHORS TRANSL.) Nagano M, Kawamura M, Kawanishi M, Suzuki A *Res Exp Med (Berl)* 165: 191-7, 24 Sep 75 (Ger)

Kawanishi M

[METHOD FOR THE ISOLATION OF HUMAN GLOMERULAR BASEMENT MEMBRANE (AUTHORS TRANSL.) Nagano M, Kawamura M, Kawanishi M, Suzuki A *Res Exp Med (Berl)* 165: 191-7, 24 Sep 75 (Ger)

Kay RM

LETTER: ABSENCE OF EFFECT OF BRAN ON BLOOD-LIPIDS. Truswell AS, Kay RM *Lancet* 1: 922-3, 19 Apr 75 (Eng)

Kay WW

REGULATION OF C4-DICARBOXYLIC ACID TRANSPORT IN BACILLUS SUBTILIS. Ghei OK, Kay WW *Can J Microbiol* 21: 527-36, Apr 75 (Eng)

Kdziołka A

[THE INFLUENCE OF COUMARIN ON THE FAT OF PLASMA OF COCKS FED ON AN ATHEROGENIC DIET (AUTHORS TRANSL.) Kdziołka A, Patyra S, Rucinski T, Kostarz T *Ann Univ Mariae Curie Skłodowska [Med]* 27: 123-9, 1972 (Pol)

ANIMAL EXPERIMENTS; **CHICKENS**; **CHOLESTEROL** (metabolism); **COLORIMETRY**; **COUMARINS** (pharmacodynamics); **DIET**, **ATHEROGENIC**; **ENGLISH ABSTRACT**; **LIPIDS** (blood); **MALE**; **SPECTROPHOTOMETRY**.

Keenan RW

THE ROLE OF GLUCOLIPID IN THE BIOSYNTHESIS OF GLYCOPROTEIN IN TETRAHYMENA PYRIFORMIS. Keenan RW, Kruczek M, Fusinato L *Arch Biochem Biophys* 167: 697-705, Apr 75 (Eng)

ANIMAL EXPERIMENTS; **GEL FILTRATION**; **GLUCOSE**; **GLYCOLIPIDS** (metabolism); **GLYCOPROTEINS** (biosynthesis); **KINETICS**; **MAGNESIUM** (pharmacodynamics); **MANGANESE** (pharmacodynamics); **MITOCHONDRIA** (metabolism, drug effects); **PRONASE**; **TETRAHYMENA PYRIFORMIS** (metabolism, drug effects); **TIME FACTORS**; **UNITED STATES GOVERNMENT SUPPORTED**, **N.I.H.**; **URIDINE DIPHOSPHATE SUGARS** (metabolism).

Keirse MJ

PROCEEDINGS: IN-VITRO METABOLISM OF PROSTAGLANDINS IN TISSUES FROM THE PREGNANT HUMAN UTERUS. Keirse MJ, Turnbull AC *J Endocrinol* 64: 18p, Jan 75 (Eng)
AMNIOTIC FLUID (metabolism); **BLOOD** (metabolism); **FEMALE**; **FETAL MEMBRANES** (metabolism); **HUMAN**; **IN VITRO**; **PLACENTA** (metabolism); **PREGNANCY**; **PROSTAGLANDINS** (metabolism); **UMBILICAL CORD** (metabolism); **UMBILICAL VEINS**; **UTERUS** (metabolism).

Keith AD

FATTY ACID BIOSYNTHESIS BY ISOLATED MITOCHONDRIA FROM DROSOPHILA MELANOGASTER. Goldin HH, Keith AD *J Insect Physiol* 14: 887-99, Jul 68 (Eng)

Kemper B

MICROTUBULES AND THE INTRACELLULAR CONVERSION OF PROPARATHYROID HORMONE TO PARATHYROID HORMONE. Kemper B, Habener JF, Rich A, Potts JT Jr *Endocrinology* 96: 903-12, Apr 75 (Eng)

ANIMAL EXPERIMENTS; **CATTLE**; **COLCHICINE** (pharmacodynamics, analogs & derivatives); **CYTCHALASIN B** (pharmacodynamics); **ELECTROPHORESIS**, **POLYACRYLAMIDE GEL**; **IN VITRO**; **LEUCINE** (metabolism); **MICROTUBULES** (physiology); **PARATHYROID GLANDS** (metabolism); **PARATHYROID HORMONE** (biosynthesis); **PEPTIDES** (metabolism, biosynthesis); **PROTEIN PRECURSORS** (metabolism, biosynthesis); **TIME FACTORS**; **UNITED STATES GOVERNMENT SUPPORTED**, **N.I.H.**; **VINBLASTINE** (pharmacodynamics).

Kennedy TL

GASTRIN LEVELS AFTER PROXIMAL GASTRIC VAGOTOMY. Hayes JR, Ardill J, Kennedy TL, Buchanan KD *Ir J Med Sci* 144: 349-54, Sep 75 (Eng)

Kennedy WR

NEUROPATHY, RETINOPATHY AND BIOPSY FINDINGS IN TRANSPLANTED KIDNEY IN DIABETIC PATIENTS. Barbosa J, Burke B, Buselmeier TJ, Carpenter AM, Goetz FC, Harris J, Kennedy WR, Kjellstrand CM, Michael AF, Najarian JS, Recker L *Kidney Int [Suppl]* 32-6, Oct 74 (Eng)

Kenny FM

HYPOGLYCEMIA IN HYPOPHYSECTOMIZED CHILDREN. Hopwood NJ, Forsman PJ, Kenny FM, Drash AL *Am J Dis Child* 129: 918-26, Aug 75 (Eng)

Kent G

THE EFFECT OF INCREASED PULMONARY BLOOD FLOW ON THE PULMONARY VASCULAR BED IN PIGS. Friedli B, Kent G, Kidd BS *Pediatr Res* 9: 547-53, Jun 75 (Eng)

Kent S

IMPOTENCE AS A CONSEQUENCE OF ORGANIC DISEASE. Kent S *Geriatrics* 30: 155, 157, Sep 75 (Eng)
AGED; **DIABETES MELLITUS** (complications); **HUMAN**; **IMPOTENCE** (etiology, diagnosis, therapy); **MALE**; **MIDDLE AGE**; **PENIS** (surgery); **PROSTHESIS**.

Kersten L

THE CALORIGENIC ACTION OF NOREPINEPHRINE IN RATS AFTER HYPOPHYSECTOMY. Muller D, Kersten L, Ankermann H *Experientia* 31: 343-4, 15 Mar 75 (Eng)

Ketcham B

COMPARISON OF THE CAPILLARY BASAL LAMINA WIDTH IN MARGINAL GINGIVA OF DIABETIC AND NON-DIABETIC PATIENTS. Ketcham B, Cobb CM, Denys FR *Ala J Med Sci* 12: 295-301, Jul 75 (Eng)
ADULT; **CAPILLARIES** (ultrastructure); **COMPARATIVE STUDY**; **DIABETES MELLITUS** (pathology); **FEMALE**; **GINGIVA** (ultrastructure); **HUMAN**; **MALE**; **MIDDLE AGE**; **PERIODONTAL DISEASES** (pathology).

Khanh-Trinh

[MEASUREMENT OF ORAL PH, A CLINICAL TEST IN CURRENT PRACTICE. DIAGNOSTIC SIGNIFICANCE] Laudonbach P, Boumaza M, El-Nabbout S, Khanh-Trinh *Actual Odontostomatol (Paris)* 715-25, Dec 74 (Fre)

Khatib AH

THE EFFECT OF VITAMINE B6 ON ALANINE TRANSPORT IN TURTLE INTESTINE. Hajjar JJ, Khatib AH *Comp Biochem Physiol [A]* 47: 1135-42, 1 Apr 74 (Eng)

Khommel Kh

[ENDOCRINE FUNCTION OF THE GASTROINTESTINAL TRACT] Shlimovich PB, Khommel Kh, Fisher U *Sov Med* 68-73, Jun 75 (Rus)

Khoshtaria NK

[CHANGES OF THE SOMATIC PERIPHERAL NERVOUS SYSTEM IN DIABETES MELLITUS] Lekishvili VP, Gogibedashvili NV, Khoshtaria NK *Sov Med* 136-7, Jun 75 (Rus)

Khosla P

EFFECT OF ADRENERGIC BLOCKADE ON FATTY ACID MOBILIZATION. Khosla P, Garg KN *Indian J Med Res* 62: 1486-91, Oct 74 (Eng)
ANIMAL EXPERIMENTS; **DOGS**; **EPINEPHRINE** (antagonists & inhibitors); **FATTY ACIDS**, **NONESTERIFIED** (blood); **FEMALE**; **ISOPROTERENOL** (antagonists & inhibitors); **MALE**; **PIGEONS**; **RABBITS**; **SYMPATHOLYTICS** (pharmacodynamics).

Khylchevskaya RI

EFFECT OF GONADAL HORMONES ON ENZYME ACTIVITIES IN BRAIN AND PITUITARY OF MALE AND FEMALE RATS. Luine VN, Khylchevskaya RI, McEwen BS *Brain Res* 86: 283-92, 21 Mar 75 (Eng)

Kiczka W

[EFFECT OF GLUCAGON ON INSULIN SECRETION IN ACUTE VIRAL HEPATITIS] Kiczka W, Juszczak J, Adamek J, Kosowicz J, Porawska J *Pol Tyg Lek* 30: 1295-8, 4-11 Aug 75 (Pol)
ACUTE DISEASE; **ADOLESCENCE**; **ADULT**; **ENGLISH ABSTRACT**; **FEMALE**; **GLUCAGON** (pharmacodynamics); **HEPATITIS**, **INFECTIOUS** (metabolism); **HUMAN**; **INSULIN** (secretion); **LIVER GLYCOGEN** (metabolism); **MALE**; **MIDDLE AGE**; **SECRETORY RATE** (drug effects).

Kidd BS

THE EFFECT OF INCREASED PULMONARY BLOOD FLOW ON THE PULMONARY VASCULAR BED IN PIGS. Friedli B, Kent G, Kidd BS *Pediatr Res* 9: 547-53, Jun 75 (Eng)

Kiersnowska-Rogowska B

THE BEHAVIOUR OF THE PLATELET-LEUCOCYTE AGGREGATION IN THROMBOTIC CONDITIONS. Bielawiec M, Kiersnowska-Rogowska B, Mysliwiec M, Perzanowski A *Folia Haematol (Leipz)* 102: 220-9, 1975 (Eng)

Kikuchi M

DEFECTIVE INSULIN SECRETION IN THE SPINY MOUSE (ACOMYS CAHIRINUS). POSSIBLE VALUE IN THE STUDY OF THE PATHOPHYSIOLOGY OF DIABETES.

Diabetes Literature—Author Index

Kikuchi S

Rabinovitch A, Gutzeit A, Grill V, Kikuchi M, Renold AE, Cerasi E *Isr J Med Sci* 11: 730-7, Jul 75 (Eng)

Kikuchi S

[CHANGES IN THE FATTY ACID COMPOSITION OF SERUM FREE FATTY ACID AFTER GLUCOSE LOAD (AUTHORS TRANSL.)] Kato K, Kikuchi S, Takeyama N, Komatsu T *Jpn J Clin Pathol* 22: 886-8, Dec 74 (Jpn)

Kim HJ

SEX STEROID INFLUENCE ON TRIGLYCERIDE METABOLISM. Kim HJ, Kalkhoff RK *J Clin Invest* 56: 888-96, Oct 75 (Eng)

ADIPSE TISSUE (enzymology); ANIMAL; BLOOD SUGAR (metabolism); DRUG COMBINATIONS; ESTRADIOL (pharmacodynamics); FATTY ACIDS, NONESTERIFIED (blood); FEMALE; GLYCERIN (metabolism); HEPARIN (pharmacodynamics); HUMAN; HYPERINSULINISM (complications); INSULIN (blood); LIPOPROTEIN LIPASE (metabolism); LIVER (metabolism); MAMMAE (enzymology); OBESITY (metabolism); PROGESTERONE (pharmacodynamics); PROTAMINES; RATS; TISSUE EXTRACTS; TRIGLYCERIDES (metabolism, biosynthesis); TRITONS (metabolism, administration & dosage); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

Kipnis DM

EFFECT OF LECTINS ON HORMONE RELEASE FROM ISOLATED RAT ISLETS OF LANGERHANS. Ewart RB, Kornfeld S, Kipnis DM *Diabetes* 24: 705-14, Aug 75 (Eng)

Kirschberger MA

CONTROL OF CARDIAC SARCOLEMAL ADENYLATE CYCLASE AND SODIUM, POTASSIUM-ACTIVATED ADENOSINETRIPHOSPHATASE ACTIVITIES. Tada M, Kirschberger MA, Iorio JM, Katz AM *Circ Res* 36: 8-17, Jan 75 (Eng)

Kisilevich RSh

[CHARACTERISTICS OF THE PLACENTAL MITOCHONDRIA IN WOMEN AT VARIOUS PERIODS OF PHYSIOLOGICAL PREGNANCY] Bulienko SD, Kisilevich RSh, Skvarko SI, Matyniak LG *Ukr Biokhim Zh* 46: 492-5, Jul-Aug 74 (Ukr)

Kister SJ

IN VITRO STIMULATION OF HUMAN BREAST TISSUE BY HUMAN PROLACTIN. Dilley WG, Kister SJ *J Natl Cancer Inst* 55: 35-6, Jul 75 (Eng)

Kitay JI

EFFECTS OF VARIOUS HORMONES ON THE PITUITARY-ADRENAL AXIS. Kitay JI *Adv Exp Med Biol* 54: 155-67, 1975 (Eng)

ADRENAL CORTEX HORMONES (metabolism); ADRENAL GLANDS (enzymology); ANIMAL EXPERIMENTS; CASTRATION; CORTICOSTERONE (analogs & derivatives, metabolism, secretion); CORTICOTROPIN (secretion); ESTRADIOL (pharmacodynamics); FEMALE; MALE; MELANOTIN (pharmacodynamics); OVARY (physiology); OXIDOREDUCTASES (metabolism); PINEAL BODY (physiology); PITUITARY-ADRENAL SYSTEM (drug effects); RATS; TESTIS (physiology); TESTOSTERONE (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

Kittinger GW

THE EFFECT OF FETAL HYPOPHYSECTOMY ON PLACENTAL BIOSYNTHESIS OF PROGESTERONE IN RHESUS. Hageman FC, Baughman WL, Kittinger GW *Endocrinology* 96: 1059-62, Apr 75 (Eng)

Kizer JS

THE NYCTOHEMERAL RHYTHM OF PLASMA PROLACTIN: EFFECTS OF GANGLIONECTOMY, PINEALECTOMY, CONSTANT LIGHT, CONSTANT DARKNESS OR 6-OH-DOPAMINE ADMINISTRATION. Kizer JS, Zivin JA, Jacobowitz DM, Kopin U *Endocrinology* 96: 1230-40, May 75 (Eng)

ANIMAL EXPERIMENTS; CIRCADIAN RHYTHM; DARKNESS; DIURNAL RHYTHM; DOPAMINE (metabolism); GANGLIA, AUTONOMIC (physiology); HALOPERIDOL (pharmacodynamics); HYDROXYDOPAMINE (pharmacodynamics); HYPOTHALAMUS (metabolism); LIGHT; MALE; NOREPINEPHRINE (metabolism); PINEAL BODY (physiology); PROLACTIN (blood); RATS; STARVATION; SYMPATHETICOMY.

Kjellstrand CM

SURGICAL ASPECTS OF TRANSPLANTATION IN DIABETIC PATIENTS. Simmons RL, Kjellstrand CM, Kyriakides GK, Rattazzi LC, Spanos PK, Casali R, Najarian JS *Kidney Int [Suppl]* 129-32, Oct 74 (Eng)

RENAL TRANSPLANTATION IN INSULIN-DEPENDENT DIABETIC PATIENTS. Kjellstrand CM, Shideman JR, Simmons RL, Buselmeier TJ, von Hartzsch B, Goetz FC, Najarian JS *Kidney Int [Suppl]* 15-20, Oct 74 (Eng)

ADULT; CARDIOVASCULAR DISEASES (etiology); DIABETES MELLITUS (surgery, blood); DIABETES MELLITUS, JUVENILE (surgery, prevention & control, blood); FEMALE; HUMAN; INSULIN (therapeutic use); KIDNEY (transplantation); LENGTH OF STAY; MALE; MIDDLE AGE; POSTOPERATIVE COMPLICATIONS; TRANSPLANTATION, HOMOLOGOUS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

NEUROPATHY, RETINOPATHY AND BIOPSY FINDINGS IN TRANSPLANTED KIDNEY IN DIABETIC PATIENTS. Barbosa J, Burke B, Buselmeier TJ, Carpenter AM, Goetz FC, Harris J, Kennedy WR, Kjellstrand CM, Michael AF, Najarian JS, Recker L *Kidney Int [Suppl]* 32-6, Oct 74 (Eng)

PHARYNGEAL LIPASE AND DIGESTION OF DIETARY TRIGLYCERIDE IN MAN. Hamosh M, Kleveman HL, Wolf RO, Scow RO *J Clin Invest* 55: 908-13, May 75 (Eng)

Kleczkowska H

[STUDIES UPON THE EFFECT OF AGE AND NUTRITIONAL FACTORS ON LIPID AND PROTEIN METABOLISM IN INFANTS (AUTHORS TRANSL.)] Gornicki B, Litwin E, Krukowa A, Kleczkowska H, Rodkiewicz B, Kowalczyk Z, Dzienszewska L, Wachnik Z, Symonowicz H *Probl Med Wieku Rozwoj* 1: 33-70, 1972 (Pol)

Klein C

EFFECTS OF PROGESTERONE AND EDTA ON CYCLIC AMP AND PHOSPHODIESTERASE IN DICTYOSTELIUM DISCOIDEUM. Klein C, Brachet P *Nature* 254: 432-4, 3 Apr 75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); CELL AGGREGATION; EDTA (pharmacodynamics); KINETICS; MYXOMYCETES (drug effects); PHOSPHODIESTERASES (metabolism); PROGESTERONE (pharmacodynamics); SLIME MOLDS (drug effects, metabolism, cytology).

Klein IE

THE EFFECT OF THYROCALCITONIN AND GROWTH HORMONES ON BONE METABOLISM. Klein IE *J Prosthet Dent* 33: 365-79, Apr 75 (Eng)

ALVEOLAR PROCESS (injuries); ANIMAL EXPERIMENTS; BONE AND BONES

(metabolism); BONE MARROW CELLS (transplantation); BONE REGENERATION (drug effects); BONE RESORPTION (drug effects); CALCITONIN (pharmacodynamics, administration & dosage); CALCIUM (blood, analysis); DENSITOMETRY, X-RAY; DENTAL CEMENTUM (injuries); DENTAL ENAMEL (injuries); DENTAL IMPLANTATION (adverse effects); DENTIN (injuries); ILIUM (transplantation); MANDIBLE (surgery, analysis); MAXILLOFACIAL INJURIES; MONKEYS; RATS; SOMATOTROPIN (pharmacodynamics, administration & dosage); TOOTH CALCIFICATION; TRANSPLANTATION, AUTOLOGOUS.

Klepping J

[INFLUENCE OF ADDITION OF THE FREE FATTY ACIDS TO THE PERFUSION ON THE FUNCTION OF ISOLATED RAT HEART] Didier JP, Klepping J, Boucrot P, Moreau D, Noiret P, Bastien H *C R Soc Biol (Paris)* 168: 504-9, 1974 (Fre)

Kling OR

ESTROGEN SYNTHESIS BY THE PREGNANT BABOON. Kling OR, Rubin EJ, Townsley JD *J Med Primatol* 1: 102-13, 1972 (Eng)

ANIMAL EXPERIMENTS; BABOONS (physiology, metabolism); COMPARATIVE STUDY; DEHYDROEPIANDROSTERONE (metabolism); ESTRADIOL (urine); ESTRIL (urine); ESTROGENS (biosynthesis); ESTRONE (urine, pharmacodynamics); FEMALE; HUMAN; HYDROXYSTEROID DEHYDROGENASES (metabolism); PLACENTA (enzymology); PREGNANCY; PREGNANCY, ANIMAL; PREGNENOLONE (pharmacodynamics); SULFATASES (metabolism, antagonists & inhibitors); TRITIUM.

Klocking HP

[THE IMPORTANCE OF THE FIBRINOLYTIC SYSTEM FOR THE DETECTION OF THROMBOSIS SUSCEPTIBILITY] Klocking HP *Folia Haematol (Leipz)* 102: 238-47, 1975 (Ger)

ADULT; AGED; CONTRACEPTIVES, ORAL, HORMONAL (adverse effects); DIABETES MELLITUS (physiopathology); FEMALE; FIBRIN FIBRINOGEN DEGRADATION PRODUCTS (analysis); FIBRINOLYSIS; HUMAN; LYMPHOSARCOMA (physiopathology); MYOCARDIAL INFARCT (physiopathology); PLASMINOGEN ACTIVATORS; PLASMINOGEN (analysis); POSTOPERATIVE COMPLICATIONS; PREGNANCY; PUERPERAL DISORDERS (physiopathology); SARCOMA, RETICULUM CELL (physiopathology); THROMBOSIS (diagnosis).

Knight JB

DETERMINATION OF PHENFORMIN IN BIOLOGICAL FLUIDS USING CHEMICAL IONIZATION MASS SPECTROMETRY. Matin SB, Karam JH, Forsham PH, Knight JB *Biomed Mass Spectrom* 1: 320-2, Oct 74 (Eng)

THE USE OF SOLID PROBE CHEMICAL IONIZATION MASS SPECTROMETRY AND GAS CHROMATOGRAPHY-CHEMICAL IONIZATION MASS SPECTROMETRY IN QUANTITATION OF DRUGS IN BIOLOGICAL FLUIDS. DETERMINATION OF TOLBUTAMIDE AND ITS METABOLITES IN HUMAN PLASMA. Matin SB, Knight JB *Biomed Mass Spectrom* 1: 323-8, Oct 74 (Eng)

Knoll E

[RESULTS OF A STUDY ON THE CIRCADIAN RHYTHM OF CATECHOLAMINE EXCRETION ON NORMAL SUBJECTS AND THOSE WITH HIGH EXCRETION LEVELS (AUTHORS TRANSL.)] Wisser H, Knoll E *Clin Chim Acta* 59: 1-7, 22 Feb 75 (Ger)

Knowles HC Jr

PLASMA RENIN ACTIVITY IN JUVENILE DIABETES MELLITUS AND EFFECT OF DIAZOXIDE. Gossain VV, Werk EE, Sholiton LJ, Srivastava L, Knowles HC Jr *Diabetes* 24: 833-5, Sep 75 (Eng)

MAGNITUDE OF THE RENAL FAILURE PROBLEM IN DIABETIC PATIENTS. Knowles HC Jr *Kidney Int [Suppl]* 2-7, Oct 74 (Eng) [34] ADOLESCENCE; ADULT; AGED; ARTERIOSCLEROSIS (etiology); AUTOPSY; CHILD; DIABETES MELLITUS, JUVENILE (complications); DIABETIC ANGIOPATHIES; DIABETIC NEPHROPATHIES (mortality, pathology, diagnosis); HUMAN; KIDNEY FAILURE, ACUTE (etiology); KIDNEY FAILURE, CHRONIC (etiology); KIDNEY GLOMERULUS (pathology); MIDDLE AGE; PYELONEPHRITIS (etiology); REVIEW; UNITED STATES.

Knox D

LONG TERM STUDIES OF PANCREAS TRANSPLANTATION IN EXPERIMENTAL DIABETES MELLITUS. Orloff MJ, Lee S, Charters AC 3d, Grambort DE, Storck LG, Knox D *Ann Surg* 182: 198-206, Sep 75 (Eng)

Ko H

2 CASES OF LOW CARDIAC OUTPUT SYNDROME EFFECTIVELY TREATED WITH INSULIN Okada K, Ko H, Tochiuchi H, Iwabuchi T, Kaneda M *Jpn J Anesthesiol* 24: 621-4, Jun 75 (Jpn)

Kobayashi R

[PROCEEDINGS: ETIOLOGICAL CONSIDERATION IN ACROMEGALY: ON THE MULTIRECEPTOR OF THE GROWTH HORMONE SECRETING CELLS] Onaya T, Tsukui T, Sato A, Kobayashi R, Iwasa Y *Folia Endocrinol Jpn* 50: 282, 20 Feb 74 (Jpn)

Koch AL

UNIMPORTANCE OF COUNTERFLUX IN THE ENERGETICS OF DOWNHILL TRANSPORT. Koch AL *J Bacteriol* 120: 895-901, Nov 74 (Eng) AZIDES (pharmacodynamics); BIOLOGICAL TRANSPORT, ACTIVE (drug effects); ENERGY TRANSFER; ESCHERICHIA COLI (metabolism); GALACTOSE (metabolism); HYDROLYSIS; KINETICS; MUTATION; PHOTOMETRY (methods); PYRANS (metabolism); SPECTROPHOTOMETRY (methods); THERMODYNAMICS; TURBIDIMETRY (methods).

Kodejszko J

[FLUORESCENCE ANGIOGRAPHY OF THE IRIS IN DIABETES] Kodejszko J, Kornacki B *Klin Oczna* 45: 973-5, Sep 75 (Pol) DIABETIC RETINOPATHY (diagnosis); ENGLISH ABSTRACT; FLUORESCENCE ANGIOGRAPHY; HUMAN; IRIS.

Koene R

[DIAZOXIDE: NEW WAY IN TREATMENT OF HYPERTENSION] Wijdeveld P, Koene R *Ned Tijdschr Geneesk* 119: 421-30, 15 Mar 75 (Dut)

Koerker DJ

ADAPTATION TO FASTING IN BABOON. II. REGULATION OF LIPOLYSIS EARLY AND LATE IN FASTING. Koerker DJ, Goodner CJ, Chiddeckel EW, Einsack JW *Am J Physiol* 229: 350-4, Aug 75 (Eng)

BLOOD SUGAR; FASTING; FATTY ACIDS, NONESTERIFIED (blood); GLUCAGON (secretion, pharmacodynamics); GLUCOSE (pharmacodynamics); GLYCERIN (blood); HUMAN; INSULIN (blood, secretion, pharmacodynamics); LIPIDS (metabolism); MALE; PAPIO (metabolism); PROPRANOLOL (pharmacodynamics); RECEPTORS, ADRENERGIC; SOMATOTROPIN RELEASE

INHIBITING HORMONE (pharmacodynamics); SYMPATHETIC NERVOUS SYSTEM (physiology); TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Kohnert KD

[ISOLATION AND PROPERTIES OF AN INSULIN-LIKE PEPTIDE FROM A HIGH MOLECULAR A-COMPONENT OF COMMERCIAL BOVINE INSULIN] Zuhlike H, Kohnert KD, Wilke B, Schmidt S *Acta Biol Med Ger* 33: 399-406, 1974 (Ger)

Kokot F

[BENIGN DIABETES IN CHILDREN (AUTHORS TRANSL)] Otto-Buczowska E, Kokot F, Kuska J *Przegl Lek* 32: 641-6, 1975 (Pol)

Kokubu T

[PROCEEDINGS: STUDY OF GIF (GROWTH HORMONE INHIBITING FACTOR). (II). EFFECT OF GIF ON PLASMA GH AND PROLACTIN LEVELS OF RATS TREATED WITH NEMBUTOL AND CHLORPROMAZINE] Sawano S, Kokubu T, Ishizuka Y, Baba Y *Folia Endocrinol Jpn* 50: 269, 20 Feb 74 (Jpn)

[PROCEEDINGS: PRF ACTIVITY OF THE BOVINE HYPOTHALAMUS] Kokubu T, Shiraki M, Sawano S, Ishizuka Y, Yamazaki M *Folia Endocrinol Jpn* 50: 274, 20 Feb 74 (Jpn) ANIMAL EXPERIMENTS; CATTLE; HYPOTHALAMUS (analysis); PITUITARY HORMONE RELEASING HORMONES (analysis); PROLACTIN (secretion).

Kolaszynski J

[GROWTH HORMONE AND INSULIN CURVE FOLLOWING GLUCOSE LOADING IN PATIENTS WITH ACROMEGALY] Kolaszynski J, Owczarczyk I, Pawlikowski M *Endokrynol Pol* 26: 265-9, May-Jun 75 (Pol) ACROMEGALY (blood); ADULT; AGED; FEMALE; HISTORICAL ARTICLE; HUMAN; INSULIN (blood); MALE; MIDDLE AGE; SOMATOTROPIN (blood).

Kolendorf K

LACTIC ACIDOSIS IN EPINEPHRINE POISONING. Kolendorf K, Moller BB *Acta Med Scand* 196: 465-6, Dec 74 (Eng)

ACIDOSIS (etiology, blood, drug therapy); ADULT; BICARBONATES (blood, therapeutic use); EPINEPHRINE (poisoning); HEMATOCRIT; HEMOGLOBINS; HUMAN; LACTATES (blood); MALE; SUICIDE, ATTEMPTED.

Kolodzeiskaia MV

[ACTIVE CENTERS AND THE SUBSTRATE SPECIFICITY OF MIROORGANISM PROTEINASES] Tsyperevich AS, Lysenkov NV, Kolodzeiskaia MV *Usp Sovrem Biol* 77: 18-34, Jan-Feb 74 (Rus) [109]

Kolodziejczyk JW

[MORPHOLOGICAL AND HISTOCHEMICAL ANALYSIS OF ELEMENTS OF THE PLACENTAL BARRIER IN FULL-TERM NEONATE HYPOTROPHY (AUTHORS TRANSL)] Kolodziejczyk JW *Probl Med Wieku Rozwoj* 3: 133-63, 1973 (Pol)

ALKALINE PHOSPHATASE (metabolism); BIRTH WEIGHT; ENGLISH ABSTRACT; FEMALE; GLYCOGEN (metabolism); HISTOCYTOCHEMISTRY; HUMAN; MATERNAL-FETAL EXCHANGE; NUCLEIC ACIDS (metabolism); ORGAN WEIGHT; PLACENTA (cytology, enzymology, anatomy & histology); POLYSACCHARIDES (metabolism); PREGNANCY.

Komatsu T

[CHANGES IN THE FATTY ACID COMPOSITION OF SERUM FREE FATTY ACID AFTER GLUCOSE LOAD (AUTHORS TRANSL)] Kato

K, Kikuchi S, Takeyama N, Komatsu T *Jpn J Clin Pathol* 22: 886-8, Dec 74 (Jpn)

Komono M

[EXPERIMENTAL STUDIES ON CARBOHYDRATE METABOLISM IN THE CORNEA. CHEMICAL ANALYSIS OF PROTEIN AND LIPID CONTENT IN THE RAT CORNEA] Gekka M, Komono M *Acta Soc Ophthalmol Jpn* 78: 1102-6, 10 Oct 74 (Jpn)

Kondrak R

[EFFECT OF THERAPEUTIC DOSES OF PROPRANOLOL ON BLOOD GLUCOSE LEVEL] Kondrak R *Wiad Lek* 28: 461-4, 15 Mar 75 (Pol)

ADMINISTRATION, ORAL; ADOLESCENCE; ADULT; BLOOD SUGAR (analysis); ENGLISH ABSTRACT; HUMANA; INJECTIONS, INTRAVENOUS; MALE; PROPRANOLOL (administration & dosage, pharmacodynamics).

Konijn AM

EFFECTS OF CARBOHYDRATE-FREE DIETS ON THE INSULIN-CARBOHYDRATE RELATIONSHIPS IN RATS. Carmel N, Konijn AM, Kaufman NA, Guggenheim K *J Nutr* 105: 1141-9, Sep 75 (Eng)

Konings WN

AMINO ACID TRANSPORT IN MEMBRANE VESICLES OF OBLIGATELY ANAEROBIC VEILLONELLA ALCALESCENS. Konings WN, Boonstra J, De Vries W *J Bacteriol* 122: 245-9, Apr 75 (Eng)

AEROBIOSES; ALDEHYDE OXIDOREDUCTASES (metabolism); AMINO ACIDS (metabolism); ANAEROBIOSES; BIOLOGICAL TRANSPORT, ACTIVE; CELL FRACTIONATION; CELL MEMBRANE (metabolism, enzymology); ELECTRON TRANSPORT; FORMATES; FUMARATES (metabolism); GLUTAMATES (metabolism); GLYCEROLPHOSPHATE DEHYDROGENASE (metabolism); GLYCEROPHOSPHATES (metabolism); LACTATE DEHYDROGENASE (metabolism); LACTATES (metabolism); MALATE DEHYDROGENASE (metabolism); NITRATE REDUCTASES (metabolism); NITRATES (metabolism); NAD (metabolism); NADH, NADPH OXIDOREDUCTASES (metabolism); PYRUVATE DEHYDROGENASE COMPLEX (metabolism); SERINE (metabolism); VEILLONELLA (metabolism, enzymology).

RELATION BETWEEN REDUCED NICOTINAMIDE ADENINE DINUCLEOTIDE OXIDATION AND AMINO ACID TRANSPORT IN MEMBRANE VESICLES FROM BACILLUS SUBTILIS. Bisschop A, de Jong L, Lima Costa ME, Konings WN *J Bacteriol* 121: 807-13, Mar 75 (Eng)

Kopecka J

EFFECTS OF DIET AND EXERCISE ON CATECHOLAMINE EXCRETION. Sonka J, Kopecka J, Pavlova A, Zbirikova A, Stas J *Horm Metab Res* 6: 532, Nov 74 (Eng)

Kopin IJ

THE NYCTOHEMERAL RHYTHM OF PLASMA PROLACTIN: EFFECTS OF GANGLIONECTOMY, PINEALECTOMY, CONSTANT LIGHT, CONSTANT DARKNESS OR 6-OH-DOPAMINE ADMINISTRATION. Kizer JS, Zivin JA, Jacobowitz DM, Kopin IJ *Endocrinology* 96: 1230-40, May 75 (Eng)

Kornacki B

[FLUORESCENCE ANGIOGRAPHY OF THE IRIS IN DIABETES] Kodejszko J, Kornacki B *Klin Oczna* 45: 973-5, Sep 75 (Pol)

Kornberg HL

PTSX: A GENE INVOLVED IN THE UPTAKE OF GLUCOSE AND FRUCTOSE BY

Diabetes Literature—Author Index

Kornfeld S

ESCHERICHIA COLI. Kornberg HL, Jones-Mortimer MC *FEBS Lett* 51: 1-4, 1 Mar 75 (Eng)
AEROBICITY; BIOLOGICAL TRANSPORT, ACTIVE; CELL DIVISION; ESCHERICHIA COLI (metabolism); FRUCTOSE (metabolism); GENES; GLUCOSAMINE (metabolism); GLUCOSE (metabolism); GLYCERIN (metabolism); MANNOSE (metabolism); MUTATION; TIME FACTORS.

Kornfeld S

EFFECT OF LECTINS ON HORMONE RELEASE FROM ISOLATED RAT ISLETS OF LANGERHANS. Ewart RB, Kornfeld S, Kipnis DM *Diabetes* 24: 705-14, Aug 75 (Eng)

Korpanceva J

[METHODS FOR THE DETERMINATION OF SOMATOTROPIN LEVELS USING THE RADIOIMMUNOLOGIC METHOD] Kracmar P, Hnikova O, Korpanceva J, Satrapa T *Cesk Fysiol* 24: 73-7, 1975 (Cze)

Koskineni M

FINDINGS IN ROUTINE LABORATORY EXAMINATION IN PROGRESSIVE MYOCLONUS EPILEPSY. Koskineni M *Acta Neurol Scand* 51: 12-20, Jan 75 (Eng)
ADOLESCENCE; ADULT; AGE FACTORS; BLOOD PROTEINS; BLOOD SUGAR; CEREBROSPINAL FLUID PROTEINS; CHILD; COPPER (blood); CREATININE (blood); DIPHENYLHYDANTOIN (therapeutic use); DISABILITY EVALUATION; EPILEPSY (blood, drug therapy); HUMAN; HYDROXYINDOLEACETIC ACID (urine); INDICAN (urine); MUCOPOLYSACCHARIDOSIS; MYOCLONUS; SYNDROME.

Kosowicz J

[TEMPORAL RELATIONSHIP CONCERNING CHANGES IN BLOOD INSULIN, SUGAR AND ADENOSINE-35-MONOPHOSPHATE FOLLOWING ADMINISTRATION OF GLUCAGON TO HEALTHY SUBJECTS] Czekalski S, Kosowicz J, Kozak W, Ruzkowska J *Pol Arch Med Wewn* 54: 127-32, Aug 75 (Pol)

[EFFECT OF GLUCAGON ON INSULIN SECRETION IN ACUTE VIRAL HEPATITIS] Kiczka W, Juszczyk J, Adamczak J, Kosowicz J, Porawska J *Pol Tyg Lek* 30: 1295-8, 4-11 Aug 75 (Pol)

Kosta K

ULTRASTRUCTURE OF THE MOUSE PANCREAS AFTER AUROTHIOGLUCOSE ADMINISTRATION. Simkova D, Belak M, Boda K, Kosta K, Dianovska M *Acta Biol Acad Sci Hung* 25: 205-12, 1974 (Eng)

Kostarz T

[THE INFLUENCE OF COUMARIN ON THE FAT OF PLASMA OF COCKS FED ON AN ATHEROGENIC DIET (AUTHORS TRANSL)] Kdziołka A, Patyra S, Rucinski T, Kostarz T *Ann Univ Mariae Curie Skłodowska [Med]* 27: 123-9, 1972 (Pol)

Kostyo JL

ISOLATION AND BIOLOGICAL CHARACTERIZATION OF FRAGMENTS OF HUMAN GROWTH HORMONE PRODUCED BY DIGESTION WITH PLASMIN. Reagan CR, Mills JB, Kostyo JL, Wilhelm AE *Endocrinology* 96: 625-36, Mar 75 (Eng)

Kottke BA

CHOLESTEROL BALANCE IN ATHEROSCLEROSIS-SUSCEPTIBLE ATHEROSCLEROSIS-RESISTANT PIGEONS. Siekert RG, Dicke BA, Subbiah MT, Kottke BA *Res Commun Chem Pathol Pharmacol* 10: 181-4, Jan 75 (Eng)

REGRESSION OF ESTABLISHED NATURAL ATHEROSCLEROTIC LESIONS BY IN-

TESTINAL BYPASS SURGERY IN PIGEONS: STRUCTURE AND CHEMISTRY. Kottke BA, Unni KK, Carlo IA, Subbiah MT *Trans Assoc Am Physicians* 87: 263-70, 1974 (Eng)
ANIMAL EXPERIMENTS; AORTA, ABDOMINAL (pathology); AORTIC DISEASES (surgery, pathology, blood); ARTERIOSCLEROSIS (surgery); ATHEROSCLEROSIS (surgery, pathology, blood); CLOACA (surgery); DISEASE MODELS, ANIMAL; ESTERS; INTESTINE, SMALL (surgery); INTESTINES (surgery); LINOLEIC ACIDS (analysis); METHODS; MICROSCOPY, ELECTRON; OLEIC ACIDS (analysis); PIGEONS; REMISSION; STEROLS (analysis, blood).

Koutselis A

ERYTHROCYTE 2,3-DIPHOSPHOGLYCERATE AS RELATED TO DIABETES AND OBESITY. Kalofoutis A, Jullien G, Koutselis A, Miras C *Clin Chem* 21: 1414-5, Sep 75 (Eng)

Kovac T

[CURRENT POSSIBILITIES AND PERSPECTIVES IN THE DEVELOPMENT AND TREATMENT OF DIABETES MELLITUS] Lepsanovic R, Kovac T *Med Pregl* 28: 233-40, 1975 (Ser)

Kovacev VP

EFFECT OF ACTH ON LIPOLYSIS IN ADIPOSE TISSUE OF NORMAL AND ADRENAL-ECTOMIZED RATS IN VIVO. Spirovski MZ, Kovacev VP, Spasovska M, Chernick SS *Am J Physiol* 228: 382-5, Feb 75 (Eng)

Kowalczyk Z

[STUDIES UPON THE EFFECT OF AGE AND NUTRITIONAL FACTORS ON LIPID AND PROTEIN METABOLISM IN INFANTS (AUTHORS TRANSL)] Gornicki B, Litwin E, Krukowa A, Kleczkowska H, Rodkiewicz B, Kowalczyk Z, Dziensiszewska L, Wachnik Z, Symonowicz H *Probl Med Wieku Rozwoj* 1: 33-70, 1972 (Pol)

Kowarski A

CIRCADIAN VARIATION OF INTEGRATED CONCENTRATION OF GROWTH HORMONE IN CHILDREN AND ADULTS. Plotnick LP, Thompson RG, Kowarski A, de Lacerda L, Migeon CJ, Blizzard RM *Nature* 253: 240-7, 13 Feb 75 (Eng)

Kozak JJ

SPECTATOR-ION EFFECT ON THE PASSAGE OF IONS THROUGH MEMBRANES. Kozak JJ *Proc Natl Acad Sci USA* 72: 683-7, Feb 75 (Eng)
BIOLOGICAL TRANSPORT, ACTIVE; CELL MEMBRANE PERMEABILITY; ESCHERICHIA COLI (metabolism); IONS (metabolism); MODELS, BIOLOGICAL.

Kozak W

[TEMPORAL RELATIONSHIP CONCERNING CHANGES IN BLOOD INSULIN, SUGAR AND ADENOSINE-35-MONOPHOSPHATE FOLLOWING ADMINISTRATION OF GLUCAGON TO HEALTHY SUBJECTS] Czekalski S, Kosowicz J, Kozak W, Ruzkowska J *Pol Arch Med Wewn* 54: 127-32, Aug 75 (Pol)

Kraaz W

[INFLUENCE OF INDOLE-3-ALKANECARBOXYLIC ACIDS ON GLUCOSE UTILIZATION IN RATS] Losert W, Kraaz W *Arzneim Forsch* 25: 880-7, Jun 75 (Ger)

Kracmar P

[METHODS FOR THE DETERMINATION OF SOMATOTROPIN LEVELS USING THE RADIOIMMUNOLOGIC METHOD] Kracmar P, Hnikova O, Korpanceva J, Satrapa T *Cesk Fysiol* 24: 73-7, 1975 (Cze)

GROWTH DISORDERS (blood); HUMAN; RADIOIMMUNOASSAY (methods); SOMATOTROPIN (blood).

Kraegen EW

CARRIER SOLUTIONS FOR LOW-LEVEL INTRAVENOUS INSULIN INFUSION. Kraegen EW, Lazarus L, Meler H, Campbell L, Chia YO *Br Med J* 3: 464-6, 23 Aug 75 (Eng)
BIOLOGIC AVAILABILITY; HUMAN; INJECTIONS, INTRAVENOUS; INSULIN (administration & dosage, analysis); POLYGLICINE; POLYMERS; VEHICLES.

Kraetsch RE

UPTAKE OF 3-O-METHYL-14C-D-GLUCOSE BY RAT THYMIC LYMPHOCYTES: INSENSITIVITY TO CORTISOL AND INHIBITORS OF RIBONUCLEIC ACID AND PROTEIN SYNTHESIS, AND SENSITIVITY TO CYTOTHALASIN B. Feldman MJ, Kraetsch RE, Lichtman MA, Peck WA *J Reticuloendothel Soc* 16: 318-26, Dec 74 (Eng)

Kramer K

[DIAGNOSIS OF ORGANIC HYPERINSULINISM] Kramer K, Sailer FX *Anaesthesiol Intensivmed Prax* 10: 125-30, 1975 (Ger)
DIAGNOSIS, DIFFERENTIAL; DIAZOXIDE (diagnostic use); FASTING; GLUCAGON (diagnostic use); GLUCOSE TOLERANCE TEST; HUMAN; HYPERINSULINISM (diagnosis, radiography); HYPOGLYCEMIA (diagnosis); LEUCINE (diagnostic use); RADIOISOTOPE SCANNING; TOLBUTAMIDE (diagnostic use).

Kramer MF

FUNCTION OF COATED MEMBRANES AND MULTIVESICULAR BODIES DURING MEMBRANE REGULATION IN STIMULATED EXOCRINE PANCREAS CELLS. Geuze JJ, Kramer MF *Cell Tissue Res* 156: 1-20, 1974 (Eng)

Kranz P

COMBINED HYPERLIPOPROTEINEMIA. EVIDENCE FOR A NEW LIPOPROTEIN PHENOTYPE. Rose HG, Kranz P, Weinstock M, Juliano J, Haft JJ *Atherosclerosis* 20: 51-64, Jul-Aug 74 (Eng)

Kraszewska Z

[BLOOD GLUCOSE CURVE IN PATIENTS WITH INTRACTABLE CORONARY FAILURE] Slidziewski K, Kraszewska Z, Lada W *Pol Tyg Lek* 30: 1479-81, 8 Sep 75 (Pol)

Krieger DT

CIRCADIAN PITUITARY ADRENAL RHYTHMS. Krieger DT *Adv Exp Med Biol* 54: 169-89, 1975 (Eng)
ACETYLCHOLINE (blood); ADDISONS DISEASE (blood); ANIMAL EXPERIMENTS; BRAIN DISEASES (blood); CIRCADIAN RHYTHM; CONSCIOUSNESS DISORDERS (blood); CORTICOTROPIN RELEASING HORMONE (metabolism); CORTICOTROPIN (blood); CUSHINGS SYNDROME (blood); FEMALE; HAMSTERS; HUMAN; MENTAL DISORDERS (blood); NEUROHORMONS (analysis); NOREPINEPHRINE (blood); PITUITARY-ADRENAL SYSTEM (physiology); RATS; RESERPINE (pharmacodynamics); SEROTONIN (blood); SLEEP; TESTOSTERONE (pharmacodynamics); VISUAL PATHWAYS (physiology); 11-HYDROXYCORTICOSTEROIDS (blood).

Krimm S

X-RAY DIFFRACTION STUDIES OF HUMAN ERYTHROCYTE MEMBRANE STRUCTURE. Stamatoff JB, Krimm S, Harvie NR *Proc Natl Acad Sci USA* 72: 531-4, Feb 75 (Eng)

Krinsky NI

MEMBRANE PHOTOCHEMISTRY AND PHOTOBIOLOGY. Krinsky NI *Photochem Photobiol* 20: 532-5, Dec 74 (Eng)
 ADENOSINE TRIPHOSPHATASE (metabolism); ANIMAL EXPERIMENTS; CELL MEMBRANE (metabolism); CHLOROPHYLL (metabolism); CHLOROPLASTS (metabolism); CHOLESTEROL (blood); ERYTHROCYTES (metabolism); EUGLENA (physiology); HUMAN; LIPOSOMES; MEMBRANES (physiology); MEMBRANES, ARTIFICIAL; PHOSPHOLIPIDS (metabolism); PHOTOCHEMISTRY; PLANTS; RHODOPSIN (metabolism).

Krivaneck J

INCORPORATION OF ¹⁴C FROM GLUCOSE INTO GLYCOGEN AND SOME AMINO ACIDS OF CEREBRAL CORTEX INFLUENCED BY POTASSIUM IONS IN VIVO. Krivaneck J *Physiol Bohemoslov* 21: 615-22, 1972 (Eng)
 AMINO ACIDS (metabolism); AMINOBUTYRIC ACIDS (metabolism); ANIMAL EXPERIMENTS; CARBON RADIOISOTOPES; CEREBRAL CORTEX (metabolism); ENERGY METABOLISM; GLUCOSE (metabolism); GLUTAMATES (metabolism); GLYCOGEN (metabolism); HYDROLYSIS; POTASSIUM (pharmacodynamics, metabolism); RATS.

Kroms M

UPTAKE, OXIDATION, AND ESTERIFICATION OF FREE FATTY ACIDS IN NORMAL AND ATHEROSCLEROTIC RABBIT AORTA. Morrison ES, Scott RF, Kroms M, Frick J *Biochem Med* 11: 153-64, Oct 74 (Eng)

Krotenko NM

[DYNAMICS OF CARBOHYDRATE METABOLISM IN THE HEART MUSCLE IN EARLY ONTOGENESIS] Meerson FZ, Larionov NP, Krotenko NM *Kardiologia* 15: 107-13, Jan 75 (Russ)

Kruczek M

THE ROLE OF GLUCOLIPID IN THE BIOSYNTHESIS OF GLYCOPROTEIN IN TRYPAHENA PYRIFORMIS. Keenan RW, Kruczek M, Fusinato L *Arch Biochem Biophys* 167: 697-705, Apr 75 (Eng)

Krukowa A

[STUDIES UPON THE EFFECT OF AGE AND NUTRITIONAL FACTORS ON LIPID AND PROTEIN METABOLISM IN INFANTS (AUTHORS TRANSL)] Gornicki B, Litwin E, Krukowa A, Kleczkowska H, Rodkiewicz B, Kowalczyk Z, Dzieniszewska L, Wachnik Z, Symonowicz H *Probl Med Wieku Rozwoj* 1: 33-70, 1972 (Pol)

Krumlovsky FA

MAINTENANCE DIALYSIS FOR DIABETIC NEPHROPATHY WITH UREMIA. Huang C, del Greco F, Ivanovich P, Krumlovsky FA, Roguska J, Simon NM, Hano J *J Chronic Dis* 28: 365-74, Aug 75 (Eng)

Kruse K

[SIGNIFICANCE OF THE 2-DEOXY-D-GLUCOSE-TEST ON THE DIFFERENTIATION OF HYPOGLYCEMIA IN CHILDHOOD (AUTHORS TRANSL)] Kruse K, Bartels H *Klin Paediatr* 187: 308-13, Jul 75 (Ger)
 CATECHOLAMINES (urine); CHILD; CHILD, PRESCHOOL; DEOXY SUGARS (diagnostic use); DEOXYGLUCOSE (diagnostic use); ENGLISH ABSTRACT; EPINEPHRINE (urine); FEMALE; HUMAN; HYPOGLYCEMIA (diagnosis, etiology, blood); INFANT; INSULIN (diagnostic use, blood); KETOSIS (complications); MALE.

Ksenofontov JP

[GENETIC CHARACTERISTICS AND PECULIARITIES OF CARBOHYDRATE METABOLISM IN HEALTHY SUBJECTS (AUTHORS TRANSL)] Ksenofontov JP *Bratisl Lek Listy* 64: 30-4, Jul 75 (Slo)
 ABO BLOOD-GROUP SYSTEM; BLOOD GROUPS; CARBOHYDRATES (blood); DIABETES MELLITUS (familial & genetic, blood); ENGLISH ABSTRACT; ESTONIA; GENETIC CODE; HUMAN; RH-HR BLOOD-GROUP SYSTEM.

Kubicz Z

[THYMO-LYMPHATIC STATUS AS A CAUSE OF CARDIAC ARREST] Kubicz Z, Friedenberg W, Halter J *Wiad Lek* 28: 491-3, 15 Mar 75 (Pol)
 ADOLESCENCE; ADULT; AUTOPSY; BLOOD SUGAR (analysis); CARBOHYDRATES (metabolism); HEART ARREST (etiology, pathology); HUMAN; MALE; THYMUS HYPERPLASIA (complications, metabolism).

Kudchodkar BJ

EFFECT OF CHOLESTYRAMINE ON TISSUE POOLS OF CHOLESTEROL: A PRELIMINARY REPORT. Kudchodkar BJ, Sodhi HS, Horlick L, Nazir DJ *Proc Soc Exp Biol Med* 148: 393-6, Feb 75 (Eng)
 ADULT; CHOLESTEROL (blood, metabolism); CHOLESTYRAMINE (therapeutic use, pharmacodynamics); CLOFIBRATE (therapeutic use); DRUG THERAPY; COMBINATION; FEMALE; HUMAN; HYPERLIPIDEMIA, ESSENTIAL FAMILIAL (drug therapy, metabolism); MALE; MIDDLE AGE; TRIGLYCERIDES (blood).

Kuhn E

ADRENERGIC LIPOLYSIS IN HUMAN ADIPOSE TISSUE IN VITRO. Wenkeova J, Kuhn E, Wenke M *Eur J Pharmacol* 30: 49-55, Jan 75 (Eng)

[METABOLIC RESPONSE TO NEW LIPID-LOWERING DIET (AUTHORS TRANSL)] Valek J, Kuhn E, Pechar J, Storkova H *Cas Lek Cesk* 113: 647-50, 31 May 74 (Cze)

Kuhnau J Jr

[INTERFERING FACTORS AND SOURCES OF ERROR IN THE FUNCTIONAL DIAGNOSIS OF DIABETES MELLITUS] Kuhnau J Jr *Dtsch Med Wochenschr* 100: 1851-3, 12 Sep 75 (Ger)
 ADULT; DIABETES MELLITUS (diagnosis, etiology); FASTING; GLUCOSE TOLERANCE TEST; HUMAN; MALE; PANCREATECTOMY; POSTOPERATIVE COMPLICATIONS; TIME FACTORS.

Kuhr M

PROCEEDINGS: HEXOKINASE ACTIVITY AND CORNEAL NUTRITION. Reim M, Grodau K, Kuhr M *Exp Eye Res* 20: 179, Feb 75 (Eng)

Kumagai A

[PROCEEDINGS: DIENCEPHALON-PITUITARY-ADRENAL SYSTEM AND CYCLIC AMP] Makino E, Matsushima Y, Masaka M, Yamamoto M, Kumagai A *Folia Endocrinol Jpn* 50: 469, 20 Feb 74 (Jpn)

Kunes J

METABOLIC ACTIVITY OF BROWN ADIPOSE TISSUE DURING DEVELOPMENT. Kunes J, Vizek K, Drahotova Z *Physiol Bohemoslov* 21: 609-14, 1972 (Eng)
 ANIMAL EXPERIMENTS; BODY TEMPERATURE; BROWN FAT (metabolism); FATTY ACIDS (metabolism); FATTY ACIDS, NONESTERIFIED (metabolism); GLYCEROPHOSPHATES (metabolism); NOREPINEPHRINE (pharmacodynamics, metabolism); OXIDATION-REDUCTION; OXYGEN CONSUMPTION (drug effects); RATS

(growth & development); SUCCINATES (metabolism).

Kunze K

[RELATIONSHIP BETWEEN UREMIA POLYNEUROPATHY, UREMIC GLUCOSE METABOLISM DISORDER AND SEVERITY OF UREMIC INTOXICATION IN DIALYSIS PATIENTS] Goubeaud G, Kunze K, Hohmann KH, Schutterle G, Biro G *Verh Dtsch Ges Inn Med* 80: 728-31, 1974 (Ger)

Kurahachi H

[COMPARISON OF INSULIN REACTIONS IN VARIOUS DISEASES TO GLUCOSE, ARGinine, AND GLUCAGON] Taminato A, Inoue Y, Mori K, Goto K, Kurahachi H *Clin Endocrinol (Tokyo)* 23: 373-9, Apr 75 (Jpn)

[PROCEEDINGS: ROLE OF ACTIVE AMINES IN GROWTH HORMONE SECRETION: WITH SPECIAL REFERENCE TO INTERACTION OF VARIOUS AMINES] Nakai Y, Kurahachi H, Minamino M, Yoshimi T, Fukase M *Folia Endocrinol Jpn* 50: 279, 20 Feb 74 (Jpn)

Kurata M

STUDY OF THE MECHANISM OF THYROID HORMONE SECRETION IN AN IN VITRO MODEL SYSTEM: INDIRECT EVIDENCE FOR FUSION OF LIPOSOMES WITH THYROGLOBULIN LIPOSOMES. Kawada A, kadota T, Yoshimura Y, Kurata M *Endocrinology* 96: 1196-200, May 75 (Eng)

Kuska J

[BENIGN DIABETES IN CHILDREN (AUTHORS TRANSL)] Otto-Buczowska E, Kokot F, Kuska J *Przegl Lek* 32: 641-6, 1975 (Pol)

Kuwashima J

[LIPID-LOWERING EFFECT OF D,L-ALPHA-METHYL THYROXINE ETHYL ESTER (CG-635) AND ITS INFLUENCE ON BASAL METABOLIC RATE, HEART AND THYROID GLAND] Kuwashima J, Tsuboi T, Fujitani B, Ishikawa K, Nakamura K *J Pharm Soc Jpn* 94: 1541-9, Dec 74 (Jpn)

ANIMAL EXPERIMENTS; ANTICHOLESTEREMIC AGENTS; BASAL METABOLISM (drug effects); CHOLESTEROL (blood); COMPARATIVE STUDY; ENGLISH ABSTRACT; HEART RATE (drug effects); HEART (drug effects); ORGAN WEIGHT; RATS; THYROID GLAND (drug effects); THYROXINE (analogs & derivatives, pharmacodynamics).

Kuwayama A

[PROCEEDINGS: EFFECT OF PITUITARY STALK SECTION ON GROWTH HORMONE AND CORTISOL SECRETION IN RHESUS MONKEY] Kuwayama A, Shintani A, Kageyama N, Zervas NT *Folia Endocrinol Jpn* 50: 280, 20 Feb 74 (Jpn)

ANIMAL EXPERIMENTS; HYDROCORTISONE (secretion); HYPOPHYSECTOMY; RHESUS MONKEYS; SOMATOTROPIN (secretion).

Kuzmin OB

[THE EFFECT OF CATECHOLAMINES ON SODIUM TRANSPORT IN THE SKIN OF FROGS] Kuzmin OB *Farmakol Toksikol* 38: 64-6, Jan-Feb 75 (Russ)

ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT, ACTIVE (drug effects); DRUG INTERACTIONS; DRUG SYNERGISM; ENGLISH ABSTRACT; EPINEPHRINE (pharmacodynamics, analogs & derivatives); FROGS; IN VITRO; PHENTOLANOL (pharmacodynamics); PROPANOLOL (pharmacodynamics); SKIN (metabolism); SODIUM (metabolism); STIMULATION, CHEMICAL; TIME FACTORS.

Diabetes Literature—Author Index

Kvasnikov EI

Kvasnikov EI

[REGULATION OF LIPID SYNTHESIS UNDER CONDITIONS OF A VARYING GROWTH RATE IN CANDIDA TROPICALIS AND IN MICROCOCCUS FREUNDREICHII. Isakova DM, Kvasnikov EI, Loiko ZI *Prikl Biokhim Mikrobiol* 10: 831-6, Nov-Dec 74 (Rus)

kyriakides GK

SURGICAL ASPECTS OF TRANSPLANTATION IN DIABETIC PATIENTS. Simmons RL, Kjellstrand CM, kyriakides GK, Rattazzi LC, Spanos PK, Casali R, Najarian JS *Kidney Int [Suppl]* 129-32, Oct 74 (Eng)

Labrie F

INHIBITION OF GROWTH HORMONE AND THYROTROPIN RELEASE BY GROWTH HORMONE-RELEASE INHIBITING HORMONE. Belanger A, Labrie F, Borgeat P, Savary M, Cote J, Drouin J, Schally AV, Coy DH, Coy EJ, Sestanj K, Nelson V, Gotz M, Immer H *Mol Cell Endocrinol* 1: 329-39, Oct 74 (Eng)

Lacy PE

EFFECT OF GLUCOSE AND ANTI-INSULIN SERUM ON INSULIN RELEASED FROM ADULT RAT ISOLATED ISLETS OF Langerhans IN LONG-TERM ORGAN CULTURE (FOURTEEN DAYS). Turcot-Lemay L, Lacy PE *Diabetes* 24: 658-63, Jul 75 (Eng)

EFFECTS OF CYPROHEPTADINE ON INSULIN SECRETION BY ISOLATED PERFUSED RAT ISLETS. Richardson BP, McDaniel ML, Lacy PE *Diabetes* 24: 836-41, Sep 75 (Eng)

Lada W

[BLOOD GLUCOSE CURVE IN PATIENTS WITH INTRACTABLE CORONARY FAILURE] Slidziewski K, Kraszewska Z, Lada W *Pol Tyg Lek* 30: 1479-81, 8 Sep 75 (Pol)

Laimins M

INHIBITION OF LABILE AGGREGATION-STIMULATING SUBSTANCE (LASS) AND PLATELET AGGREGATION IN DIABETES MELLITUS. Colwell JA, Chambers A, Laimins M *Diabetes* 24: 684-7, Jul 75 (Eng)

Lais CJ

EVIDENCE FOR THE ALLOSTERIC REGULATION OF GLYCOGEN SYNTHESIS IN THE INTACT *ESCHERICHIA COLI* CELL. AGREEMENT OF THE VALUES OF THE PARAMETERS OF THE HILL EQUATION FITTED TO DATA FOR GLYCOGEN SYNTHESIS IN VIVO WITH THE AVAILABLE VALUES OBTAINED IN VITRO WITH ADENOSINE DIPHOSPHOGLUCOSE SYNTHETASE. Dietzler DN, Leckie MP, Lais CJ, Magnani JL *J Biol Chem* 250: 2383-7, 25 Mar 75 (Eng)

Lamberts B

[UREMIA TOXINS; EFFECT OF MEDIUM AND HIGH MOLECULAR FRACTIONS FROM NORMAL URINE ON GLUCONEOGENESIS OF THE KIDNEY CORTEX SECTIONS IN THE RAT] Lamberts B, Brunner H, Heintz R *Verh Dtsch Ges Inn Med* 80: 722-5, 1974 (Ger)

ANIMAL EXPERIMENTS; FRACTIONATION; GLUCONEOGENESIS (drug effects); HUMAN; KIDNEY CORTEX (drug effects); MOLECULAR WEIGHT; RATS; TOXINS (adverse effects); UREMIA (metabolism, urine).

Landowne D

STRUCTURE-FUNCTION RELATIONSHIPS IN EXCITABLE MEMBRANES. Landowne D, Potter LT, Terrar DA *Annu Rev Physiol* 37: 485-508, 1975 (Eng) [134]

ACETYLCHOLINE (metabolism); ACTION POTENTIALS; ANIMAL EXPERIMENTS; AXONS (physiology); BINDING SITES; BINDING, COMPETITIVE; CELL MEMBRANE

PERMEABILITY; CELL MEMBRANE (physiology); GANGLIONIC STIMULANTS (metabolism); HUMAN; LIGANDS (metabolism); MODELS, BIOLOGICAL; MOLECULAR WEIGHT; NEUROMUSCULAR JUNCTION (physiology); NEURONS (physiology, ultrastructure); POTASSIUM (metabolism); PROADIFEN (pharmacodynamics); PROTEIN CONFORMATION; REVIEW; SAXITOXIN (metabolism); SODIUM (metabolism); STRUCTURE-ACTIVITY RELATIONSHIP; SULFHYDRYL REAGENTS (pharmacodynamics); TETRODOTOXIN (metabolism); VENOMS.

Lane MD

MOLECULAR AND CATALYTIC PROPERTIES OF MITOCHONDRIAL (KETOGENIC) 3-HYDROXY-3-METHYLGLUTARYL COENZYME A SYNTHASE OF LIVER. Reed WD, Clyneheard D, Lane MD *J Biol Chem* 250: 3117-23, 25 Apr 75 (Eng)

MITOCHONDRIAL 3-HYDROXY-3-METHYLGLUTARYL-COA SYNTHASE FROM CHICKEN LIVER. Reed WD, Lane MD *Methods Enzymol* 35: 155-60, 1975 (Eng)

Langslow DR

THE PANCREATIC INSULIN CONTENT AND ITS RELATIONSHIP TO PLASMA GLUCOSE AND FREE FATTY ACID CONCENTRATIONS IN THE EMBRYO AND NEONATAL CHICK. Langslow DR *Br Poult Sci* 16: 329-33, Jul 75 (Eng)

ANIMAL; ANIMALS, NEWBORN (metabolism); BLOOD SUGAR (metabolism); CHICK EMBRYO (metabolism); CHICKENS (metabolism); FATTY ACIDS, NONESTERIFIED (blood); INSULIN (metabolism, blood); PANCREAS (metabolism); TIME FACTORS.

Lansac MC

ACTIVITIES OF SOME GLYCOLYTIC ENZYMES IN THE MAJOR SALIVARY GLANDS OF SOME LABORATORY ANIMALS. Nicolau J, Lansac MC, Rosa R, Pedrosa FI, Leal A *Comp Biochem Physiol [A]* 47: 399-402, 1 Feb 74 (Eng)

Largis EE

PERFUSED FAT CELLS. Allen DO, Largis EE, Katocs AS Jr, Ashmore J *Methods Enzymol* 35: 607-12, 1975 (Eng)

Larionov NP

[DYNAMICS OF CARBOHYDRATE METABOLISM IN THE HEART MUSCLE IN EARLY ONTOGENESIS] Meerson FZ, Larionov NP, Krotenko NM *Kardiologiya* 15: 107-13, Jan 75 (Rus)

Larking PW

THE EFFECT OF DIETARY LIPIDS ON LIPOLYSIS IN RAT ADIPOSE TISSUE. Larking PW, Nye ER *Br J Nutr* 33: 291-7, Mar 75 (Eng)

ADIPOSE TISSUE (metabolism); ANIMAL EXPERIMENTS; CATTLE; DIETARY FATS (administration & dosage, analysis); EPIDIDYMIS; FASTING; FATTY ACIDS (analysis, metabolism); FATTY ACIDS, NONESTERIFIED (blood); GLYCERIN (blood); HELIANTHUS; IN VITRO; LINSEED (administration & dosage); LIPIDS (metabolism); MALE; NOREPINEPHRINE (pharmacodynamics); OILS (administration & dosage); PROSTAGLANDINS (pharmacodynamics); RATS.

Larner J

EFFECTS OF GROUP-SELECTIVE REAGENTS ON RABBIT MUSCLE GLYCOGEN SYNTHASE. Larner J, Benjamin D, Rossini L *Mol Cell Biochem* 6: 65-70, 31 Jan 75 (Eng)

AFFINITY LABELS; BINDING SITES; ENZYME INHIBITORS (pharmacodynamics); GLUCOSEPHOSPHATES (pharmacodynamics);

GLYCOGEN SYNTHETASE (metabolism); KINETICS; NITRO COMPOUNDS (pharmacodynamics); PROTEIN BINDING; RABBITS; TYROSINE; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Laron Z

[EDITORIAL: CHILDREN OF DIABETIC MOTHERS] Weitz R, Laron Z *Harefuah* 88: 584-5, 15 Jun 75 (Heb)

Lassonde M

[PEMPHIGUS AND AZATHIOPRINE] Rancourt J, Lassonde M *Union Med Can* 104: 252-5, Feb 75 (Fre)

Laudenbach P

[MEASUREMENT OF ORAL PH, A CLINICAL TEST IN CURRENT PRACTICE. DIAGNOSTIC SIGNIFICANCE] Laudenbach P, Boumaza M, El-Nabbout S, Khanh-Trinh *Actual Odontostomatol (Paris)* 715-25, Dec 74 (Fre)

BACTERIAL INFECTIONS (diagnosis); CHORDA TYMPANI NERVE (injuries); DIABETES MELLITUS (diagnosis); ENGLISH ABSTRACT; GASTROINTESTINAL DISEASES (diagnosis); HUMAN; HYDROGEN-ION CONCENTRATION; MONILIASIS, ORAL (diagnosis); MOUTH DISEASES (diagnosis); RADIOTHERAPY (adverse effects); SALIVARY GLAND DISEASES (diagnosis); SJOGREN'S SYNDROME (diagnosis); STAPES SURGERY (adverse effects); TRANQUILIZING AGENTS (adverse effects); UREMIA (diagnosis).

Lauquin G

INTERACTION BETWEEN SPIN-LABELED ACYL-COENZYME A AND THE MITOCHONDRIAL ADENOSINE DIPHOSPHATE CARRIER. Devaux PF, Bienvenue A, Lauquin G, Brisson AD, Vignais PM, Vignais PV *Biochemistry* 14: 1272-80, 25 Mar 75 (Eng)

Laurian L

UNDER-RESPONSIVENESS OF GROWTH HORMONE SECRETION AFTER L-DOPA AND DEEP SLEEP STIMULATION IN OBESE SUBJECTS. Laurian L, Oberman Z, Ayalon D, Cordova T, Herzberg M, Horer E, Harrell A *Isr J Med Sci* 11: 482-7, May 75 (Eng)

ADMINISTRATION, ORAL; ADOLESCENCE; ADULT; ANTIGEN-ANTIBODY REACTIONS; BLOOD SUGAR; FASTING; FATTY ACIDS, NONESTERIFIED (blood); FEMALE; HUMAN; INSULIN (immunology, blood, secretion); LEVODOPA (administration & dosage, pharmacodynamics); MALE; OBESITY (metabolism, physiopathology); SLEEP; SOMATOTROPIN (secretion, immunology, blood); TIME FACTORS; 11-HYDROXYCORTICOSTEROIDS (blood).

CHANGES IN PLASMA CORTISOL, GLUCOSE AND FREE FATTY ACIDS AFTER CAFFEINE INGESTION IN OBESE WOMEN. Oberman Z, Herzberg M, Jaskolka H, Harrell A, Hoerer E, Laurian L *Isr J Med Sci* 11: 33-6, Jan 75 (Eng)

Lavintman N

ROLE OF URIDINE DIPHOSPHATE GLUCOSE IN THE BIOSYNTHESIS OF STARCH. MECHANISM OF FORMATION AND ENLARGEMENT OF A GLUCOPROTEIC ACCEPTOR. Lavintman N, Tandecarz J, Carceller M, Mendiara S, Cardini CE *Eur J Biochem* 50: 145-55, 16 Dec 74 (Eng)

AMYLASE (metabolism); GLUCOSE (metabolism); GLUCOSIDASES (metabolism); GLUCOSYLTRANSFERASES (metabolism); GLYCOPROTEINS (biosynthesis); KINETICS; MAGNESIUM (pharmacodynamics); MANGANESE (pharmacodynamics); PLANTS (metabolism, drug effects); STARCH (biosynthesis); TEMPERATURE; URIDINE DIPHOSPHATE SUGARS (metabolism, pharmacodynamics).

Lawrence AM

GASTRIC OPERATIONS AND GLUCOSE HOMEOSTASIS. II. GLUCAGON AND SECRETIN. Breuer RI, Zuckerman L, Hauch TW, Green W, OGara P, Lawrence AM, Foa PP, Matsuyama T *Gastroenterology* 69: 598-606, Sep 75 (Eng)

Laxman S

CEREBROSPINAL FLUID AND BLOOD SUGAR RATIO IN HEALTH AND DISEASE: DIAGNOSTIC AND PROGNOSTIC SIGNIFICANCE IN INTRACRANIAL INFECTIONS. Reddi YR, Rao VS, Parthasaradhi J, Laxman S *Indian Pediatr* 12: 401-5, May 75 (Eng)

Lazareva SA

[ACTIVITY OF THE KALLIKREIN-KININ SYSTEM IN EXPERIMENTAL MYOCARDIAL INFARCT IN DOGS AND THE EFFECT OF CATECHOLAMINES] Stukalova TI, Lazareva SA, Ternovaia LA *Vopr Med Khim* 21: 88-91, Jan-Feb 75 (Rus)

Lazarov N

[GLYCIDES AND HYPERTENSION (AUTHORS TRANSL)] Lazarov N *Cas Lek Cesk* 114: 11-4, 3 Jan 75 (Cze)

ADULT; CARBOHYDRATES (metabolism); ENGLISH ABSTRACT; FEMALE; GLYCOPROTEINS (metabolism); HUMAN; HYPERTENSION (metabolism); MALE; MIDDLE AGE; MUCOPROTEINS (metabolism).

Lazarow A

ISLET CELL TRANSPLANTATION. Leonard RJ, Lazarow A, McEvoy RC, Hegre OD *Kidney Int [Suppl]* 169-78, Oct 74 (Eng)

Lazarus JM

CARDIOVASCULAR DISEASE IN UREMIC PATIENTS ON HEMODIALYSIS. Lazarus JM, Lowrie EG, Hampers CL, Merrill JP *Kidney Int [Suppl]* 167-75, Jan 75 (Eng) [56]

ANTIGENS; CARBOHYDRATES (metabolism); CARDIAC OUTPUT; CARDIOVASCULAR DISEASES (etiology, mortality, blood); CHOLESTEROL (blood); ENDOCARDITIS; BACTERIAL (etiology); HEMODIALYSIS; HUMAN; HYPERLIPIDEMIA (etiology); HYPERTENSIVE, SECONDARY (etiology); HYPERTENSION (etiology); INSULIN (immunology, blood); KIDNEY (transplantation); PERICARDITIS; CONSTRICTIVE (etiology); REVIEW; TRANSPLANTATION, HOMOLOGOUS; UNITED STATES; UREMIA (complications, physiopathology, blood).

Lazarus L

CARRIER SOLUTIONS FOR LOW-LEVEL INTRAVENOUS INSULIN INFUSION. Kraegen EW, Lazarus L, Meler H, Campbell L, Chia YO *Br Med J* 3: 464-6, 23 Aug 75 (Eng)

Lazarus M

HEMODIALYSIS-RELATED PROBLEMS IN PATIENTS WITH DIABETES MELLITUS. Kuissisich SD, Yen MC, Lazarus M, Lowrie EG, Goldstein HH, Takacs FJ, Hampers CL, Merrill JP *Kidney Int [Suppl]* 100-7, Oct 74 (Eng)

Le Bras M

[CORONAROPATHIES IN THE BLACK AFRICAN. CLINICAL, ETIOLOGICAL AND CURRENT EPIDEMIOLOGICAL ASPECTS (APPROPOS OF 45 CASES)] Bertrand E, Baudin L, Chauvet J, Assamoi MO, Beda B, Renambot J, Thomas JY, Le Bras M *Arch Mal Coeur* 67: 1447-55, Dec 74 (Fre)

Le Marchand Y

METABOLIC ANOMALIES OF THE OBESE-HYPERGLYCEMIC (OB/OB) MICE OF BAR HARBOR. Jeanrenaud B, Assimacopoulos-Jean-

net F, Loten EG, Karakash C, Le Marchand Y *Isr J Med Sci* 11: 723-9, Jul 75 (Eng)

Lea EJA

THE EFFECTS OF THE MEMBRANE-PENETRATING POLYPEPTIDE SEGMENT OF THE HUMAN ERYTHROCYTE MNGLYCOPROTEIN ON THE PERMEABILITY OF MODEL LIPID MEMBRANES. Lea EJA, Rich GT, Segrest JP *Biochim Biophys Acta* 382: 41-50, 28 Feb 75 (Eng)

BIOLOGICAL TRANSPORT; CHOLESTEROL; ERYTHROCYTES (metabolism); GLYCOPROTEINS (blood); HUMAN; LECITHINS; LIPOSOMES; MEMBRANES; ARTIFICIAL; MODELS, BIOLOGICAL; PEPTIDES (blood); PERMEABILITY; PHOSPHATIDYL INOSITOL; POTASSIUM.

Leal A

ACTIVITIES OF SOME GLYCOLYTIC ENZYMES IN THE MAJOR SALIVARY GLANDS OF SOME LABORATORY ANIMALS. Nicolau J, Lانسac MC, Rosa R, Pedrosa FI, Leal A *Comp Biochem Physiol [A]* 47: 399-402, 1 Feb 74 (Eng)

Leapley PM

COMPOSITION OF DIETS CONTAINING 25 AND 35 PER CENT CALORIES FROM FAT. ANALYZED VS. CALCULATED VALUES. Marshall MW, Iacono JM, Young CW Jr, Washington VA, Slover HT, Leapley PM *J Am Diet Assoc* 66: 470-81, May 75 (Eng)

Leblanc H

THE INHIBITORY EFFECT OF SOMATOSTATIN ON GROWTH HORMONE, INSULIN AND GLUCAGON SECRETION IN DIABETES MELLITUS. Ward FR, Leblanc H, Yen SS *J Clin Endocrinol Metab* 41: 527-32, Sep 75 (Eng)

Leblanc-Pieraert C

[DIGITO-PALMAR DERMATOGLYPHICS OF THE CHILD BORN TO A DIABETIC MOTHER] Leblanc-Pieraert C, Walbaum R, Fontaine G *Lille Med* 20: 188-97, Mar 75 (Fre)

CHILD; CHILD, PRESCHOOL; DERMATOGLYPHICS; FEMALE; FETAL DISEASES; FINGERPRINTS; HUMAN; INFANT; INFANT, NEWBORN; MALE; PREGNANCY IN DIABETES; PREGNANCY; SEX FACTORS.

Lebovitz HE

GLUCOSE INTOLERANCE IN THE CARCINOID SYNDROME. Feldman JM, Plonk JW, Bivens CH, Lebovitz HE *Diabetes* 24: 664-71, Jul 75 (Eng)

Leckie MP

EVIDENCE FOR THE ALLOSTERIC REGULATION OF GLYCOGEN SYNTHESIS IN THE INTACT ESCHERICHIA COLI CELL. AGREEMENT OF THE VALUES OF THE PARAMETERS OF THE HILL EQUATION FITTED TO DATA FOR GLYCOGEN SYNTHESIS IN VIVO WITH THE AVAILABLE VALUES OBTAINED IN VITRO WITH ADENOSINE DIPHOSPHOGLUCOSE SYNTHETASE. Dietzler DN, Leckie MP, Lais CJ, Magnani JL *J Biol Chem* 250: 2383-7, 25 Mar 75 (Eng)

Leclercq R

MONTHLY VARIATIONS OF SERUM LEVELS OF THYROTROPIN, GROWTH HORMONE AND CORTISOL IN CHAN. Golstein J, Van Cauter E, Leclercq R, Copinschi G, Vanhaelst L *Horm Metab Res* 6: 506-9, Nov 74 (Eng)

Lecomte J

[DISCUSSION OF MESSRS P. LEFEBVRE AND A. LUYCKX LECTURE: GLUCAGON AND ENERGETIC SUBSTRATES PUBLISHED IN

THE BULLETIN, VOL. 128, FASC. 2, 1973, PP. 163-185] Lecomte J, Lefebvre P *Bull Acad R Med Belg* 129: 143-5, 1974 (Fre)

ANIMAL; DEPRESSION, CHEMICAL; EXERTION; FASTING; GLUCAGON (secretion); HYPOGLYCEMIA (metabolism); PROPANOLOL (pharmacodynamics); RATS.

Lecornu M

[THE SERUM LEVEL OF SULFATATION FACTOR (SOMATOMEDINE) IN GROWTH RETARDATIONS, CEREBRAL GIGANTISM AND ACROMEGALY] Lecornu M *Arch Fr Pediatr* 30: 595-608, Jun-Jul 73 (Fre)

ACROMEGALY (blood); ADOLESCENCE; ADULT; AGE DETERMINATION BY SKELETON; ANIMAL EXPERIMENTS; CHILD; CHILD, PRESCHOOL; DWARFISM; PITUITARY (blood); ENGLISH ABSTRACT; FEMALE; GIGANTISM (blood); HUMAN; HYPOPIUITARISM (blood, drug therapy); MALE; METHODS; MIDDLE AGE; RATS; SOMATOMEDIN (blood, standards); SOMATOTROPIN (blood, therapeutic use).

Lederer J

[HAEMOCHOLECYST INDUCED BY GAN- GRENOUS CHOLECYSTITIS IN A DIABETIC (AUTHORS TRANSL)] Roubly J, Mahieu F, Staquet JP, Bataille JP, Lederer J *Acta Gastroenterol Belg* 38: 237-41, May-Jun 75 (Fre)

Lee S

LONG TERM STUDIES OF PANCREAS TRANSPLANTATION IN EXPERIMENTAL DIABETES MELLITUS. Orloff MJ, Lee S, Charters AC 3d, Grambort DE, Storck LG, Knox D *Ann Surg* 182: 198-206, Sep 75 (Eng)

Lefebvre P

[DISCUSSION OF MESSRS P. LEFEBVRE AND A. LUYCKX LECTURE: GLUCAGON AND ENERGETIC SUBSTRATES PUBLISHED IN THE BULLETIN, VOL. 128, FASC. 2, 1973, PP. 163-185] Lecomte J, Lefebvre P *Bull Acad R Med Belg* 129: 143-5, 1974 (Fre)

Lefebvre PJ

CATECHOLAMINES AND EXERCISE-INDUCED GLUCAGON AND FATTY ACID MOBILIZATION IN THE RAT. Luyckx AS, Dresse A, Cession-Fossion A, Lefebvre PJ *Am J Physiol* 229: 376-83, Aug 75 (Eng)

Lefkowitz RJ

CATECHOLAMINE STIMULATED MYOCARDIAL ADENYLATE CYCLASE: EFFECTS OF PHOSPHOLIPASE DIGESTION AND THE ROLE OF MEMBRANE LIPIDS. Lefkowitz RJ *J Mol Cell Cardiol* 7: 27-37, Jan 75 (Eng)

ACETIC ACIDS (pharmacodynamics); ADENYL CYCLASE (metabolism); ANIMAL EXPERIMENTS; CELL MEMBRANE (drug effects, enzymology); CHELATING AGENTS (pharmacodynamics); DOGS; ENZYME ACTIVATION (drug effects); FLUORIDES (pharmacodynamics); GLYCOLS (pharmacodynamics); HEART (drug effects); ISOPROTERENOL (pharmacodynamics); LIPIDS (metabolism); MYOCARDIUM (enzymology); PHOSPHATIDYL INOSITOL (metabolism); PHOSPHATIDYL SERINE (metabolism); PHOSPHOLIPASE (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.

Leibach FH

THE EFFECT OF DIAMIDE AND GLUTATHIONE ON THE UPTAKE OF ALPHAMETHYL-D-GLUCOSIDE BY SLICES OF RAT KIDNEY CORTEX. Pillion DJ, Leibach FH *Biochim Biophys Acta* 382: 246-52, 13 Mar 75 (Eng)

Lekishvili VP

Lekishvili VP

[CHANGES OF THE SOMATIC PERIPHERAL NERVOUS SYSTEM IN DIABETES MELLITUS] Lekishvili VP, Gogibedashvili NV, Khoshtaria NK *Sov Med* 136-7, Jun 75 (Rus) DIABETIC NEUROPATHIES (diagnosis); FEMALE; HUMAN; LEG (innervation); MALE.

Leland OS

AORTO-CORONARY BYPASS IN THE DIABETIC PATIENT. Draskoczy SP, Leland OS, Bradley RF *Kidney Int [Suppl]* 37-40, Oct 74 (Eng)

Lelievre M

[HYPOTHALAMIC ANOMALIES WITH HYPERINSULINISM ASSOCIATED WITH A CYST OF THE 3D VENTRICLE] Lelievre M, Szots F, Nadeau A *Union Med Can* 104: 422-7, Mar 75 (Fre)

ADOLESCENCE; BRAIN DISEASES (complications, surgery); CEREBRAL VENTRICLES (surgery); CYSTS (complications, surgery); ENGLISH ABSTRACT; HUMAN; HYPERINSULINISM (etiology); HYPOTHALAMO-HYPOPHYSAL SYSTEM (physiopathology); MALE; PANCREAS (physiopathology).

Leller P

IMMUNOREACTIVE GLUCAGON RESPONSES TO INTRAVENOUS TOLBUTAMIDE IN CHRONIC PANCREATITIS. Kalk WJ, Vinik AI, Paul M, Leller P, Jackson WP *Diabetes* 24: 851-5, Sep 75 (Eng)

LeMaire F

PHENFORMIN-INDUCED LACTIC ACIDOSIS IN DIABETIC PATIENTS. Assan R, Heuclin C, Girard JR, LeMaire F, Attali JR *Diabetes* 24: 791-800, Sep 75 (Eng)

Lemaire JR

PLASMA LIPID LEVELS IN DIABETIC CHILDREN. EFFECT OF DIET RESTRICTED IN CHOLESTEROL AND SATURATED FATS. Kaufmann RL, Assal JPh, Soeldner JS, Wilmshurst EG, Lemaire JR, Gleason RE, White P *Diabetes* 24: 672-9, Jul 75 (Eng)

Lennarz WJ

THE PARTICIPATION OF LIPID-LINKED OLIGOSACCHARIDE IN SYNTHESIS OF MEMBRANE GLYCOPROTEINS. Lucas JJ, Waechter J, Lennarz WJ *J Biol Chem* 250: 1992-2002, 25 Mar 75 (Eng)

Lento HG

AN ATHEROSCLEROSIS PREVENTION PROGRAM. EVALUATION OF THE FIRST SIX YEARS. Wear RF Jr, Cox ME, Lento HG *J Occup Med* 17: 295-303, May 75 (Eng)

Leonard A

PSYCHOSOCIAL PROBLEMS IN DIALYZED IDIOPATHIC PATIENTS. Comty CM, Leonard A, Shapiro FL *Kidney Int [Suppl]* 144-51, Oct 74 (Eng)

NUTRITIONAL AND METABOLIC PROBLEMS IN THE DIALYZED PATIENT WITH DIABETES MELLITUS. Comty CM, Leonard A, Shapiro FL *Kidney Int [Suppl]* 51-7, Oct 74 (Eng)

MORTALITY, MORBIDITY AND REHABILITATION RESULTS IN REGULARLY DIALYZED PATIENTS WITH DIABETES MELLITUS. Shapiro FL, Leonard A, Comty CM *Kidney Int [Suppl]* 8-14, Oct 74 (Eng)

Leonard RJ

ISLET CELL TRANSPLANTATION. Leonard RJ, Lazarow A, McEvoy RC, Hegre OD *Kidney Int [Suppl]* 169-78, Oct 74 (Eng)

Diabetes Literature—Author Index

ALLOXAN DIABETES (surgery); AMYLASE (metabolism); ANIMAL; ANIMALS, NEWBORN; CATTLE; CHYMOTRYPSINOGEN (metabolism); GLUCOSE (metabolism); HUMAN; INSULIN (metabolism); ISLANDS OF LANGERHANS (transplantation, cytology, metabolism); MALE; PANCREAS (transplantation); PROTEINS (metabolism); RATS; RATS, INBRED F344; SWINE; TRANSPLANTATION, HOMOLOGOUS.

Lepp A

PLASMA IMMUNOREACTIVE INSULIN (IRI) AND IMMUNOREACTIVE GLUCAGON (IRG) AFTER VISCERATION WITH AND WITHOUT A FUNCTIONAL LIVER. Penhos JC, Ezequiel M, Lepp A, Ramey ER *Diabetes* 24: 637-40, Jul 75 (Eng)

Leppo LE

EFFECT OF PHYSICAL TRAINING ON THE METABOLISM OF THYROID HORMONES IN MAN. Balsam A, Leppo LE *J Appl Physiol* 38: 212-5, Feb 75 (Eng)

Lepsanovic R

[CURRENT POSSIBILITIES AND PERSPECTIVES IN THE DEVELOPMENT AND TREATMENT OF DIABETES MELLITUS] Lepsanovic R, Kovac T *Med Pregl* 28: 233-40, 1975 (Ser) DIABETES MELLITUS (therapy, drug therapy); HUMAN; HYPOGLYCEMIC AGENTS (therapeutic use); INSULIN (therapeutic use); PANCREAS (transplantation); TRANSPLANTATION, HOMOLOGOUS.

Leroy C

ERYTHROCYTE METABOLISM IN THE YELLOW PERCH (*PERCA FLAVESCENS MITCHELLI*). I. GLYCOLYTIC ENZYMES. Bachand L, Leroy C *Comp Biochem Physiol [B]* 50: 567-70, 15 Apr 75 (Eng)

Lerner J

DISTINCT COMPONENTS OF NEUTRAL AMINO ACID TRANSPORT IN CHICK SMALL INTESTINE. Miller DS, Burrill P, Lerner J *Comp Biochem Physiol [A]* 47: 767-77, 1 Feb 74 (Eng)

Lernmark A

GLUCAGON AND INSULIN RELEASE FROM THE ALLOGRAFTED CANINE PANCREAS. Brynger H, Claes G, Lernmark A *Eur Surg Res* 7: 170-80, 1975 (Eng)

Leuenberger AE

[LIGHT COAGULATION OF DIABETIC RETINOPATHY] Leuenberger AE *Mod Probl Ophthalmol* 15: 307-12, 1975 (Ger) AGED; COMPARATIVE STUDY; DIABETIC RETINOPATHY (surgery); FEMALE; FOLLOW-UP STUDIES; HUMAN; LASER COAGULATION; LIGHT COAGULATION; MACULA LUTEA (surgery); MALE; MIDDLE AGE; VISUAL ACUITY; VISUAL FIELDS.

Leung Y

THE EFFECT OF HYPOGLYCEMIA ON HYPOTHALAMIC THYROTROPIN-RELEASING HORMONE (HRH) IN THE RAT. Leung Y, Gansing AR, Ajlouni K, Hagen TC, Rosenfeld PS, Barboriak JJ *Endocrinology* 97: 380-4, Aug 75 (Eng)

ANIMAL; CROSS REACTIONS; FEMALE; HYPOGLYCEMIA (blood); HYPOTHALAMUS (secretion); INSULIN (pharmacodynamics); METHODS; MICROCHEMISTRY; RATS; THYROTROPIN-RELEASING HORMONE (blood, secretion); THYROTROPIN (blood); THYROXINE (blood); TRIIODOTHYRONINE (blood); UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Levchuk TP

[ISOLATION OF LIPOPROTEIN LIPASE FROM POSTHEPARIN RAT PLASMA AND DEMONSTRATION OF ITS BIOLOGICAL ACTIVITY] Bazarian GG, Levchuk TP, Malakhova EA, Smirnova VK, Sytina NP, Iakovlev VA *Vopr Med Khim* 20: 14-9, Jan-Feb 74 (Rus)

Leventis AS

PATTERN OF CSF GLUCOSE CONCENTRATION AFTER INDUCED HYPERGLYCAEMIA IN PATIENTS WITH ACUTE MENINGITIS AND EVIDENCE OF CEREBROSPINAL CANAL OBSTRUCTION. Contoyannis PA, Adamopoulos DA, Leventis AS *Eur Neurol* 13: 476-80, 1975 (Eng)

Levin S

MAINTENANCE PERITONEAL DIALYSIS AS AN ALTERNATIVE IN THE PATIENT WITH DIABETES MELLITUS AND END-STAGE UREMIA. Blumenkrantz MJ, Shapiro DJ, Mimura N, Grepoulous DG, Griedler RM, Levin S, Tenckhoff H, Coburn JW *Kidney Int [Suppl]* 108-14, Oct 74 (Eng)

Levin SR

ALTERED HYPOTHALAMIC-PITUITARY-ADRENAL RESPONSIVENESS TO DEXAMETHASONE-INSULIN TOLERANCE TEST IN ACTIVE ACROMEGALY. Hofeldt FD, Levin SR, Von Werder K, Becker N, Schneider V, Hane S, Seymour R, Adams JE, Forsham PH *J Clin Endocrinol Metab* 41: 399-401, Aug 75 (Eng)

Levitzi A

THE CONTROL OF ADENYLATE CYCLASE BY CALCIUM IN TURKEY ERYTHROCYTE GHOSTS. Steer ML, Levitzi A *J Biol Chem* 250: 2080-4, 25 Mar 75 (Eng)

Levy S

IN VITRO STIMULATION OF HEPATIC GLYCOGEN PHOSPHORYLASE ACTIVITY BY EPINEPHRINE AND GLUCAGON IN THE KILLIFISH, *FUNDULUS HETEROCLOTUS*. Umminger BL, Benziger D, Levy S *Comp Biochem Physiol [C]* 51: 111-5, 1 Jun 75 (Eng)

PROCEEDINGS: A NEW SYSTEM FOR STUDYING RETINAL METABOLISM IN SITU. Tsacopoulos M, Baker R, Levy S *Exp Eye Res* 20: 184, Feb 75 (Eng)

Lewis D

FEEDING BEHAVIOR IN MONKEYS WITH SPONTANEOUS DIABETES MELLITUS. Hamilton CL, Lewis D *J Med Primatol* 4: 145-53, 1975 (Eng)

Lewis LA

EFFECTS OF CLOFIBRATE AND A FAT-MODIFIED DIET ON SERUM LIPIDS. Brown HB, Lewis LA, Page IH *Clin Pharmacol Ther* 17: 171-8, Feb 75 (Eng)

Lishko Kla

[MODERN THERAPY OF DIABETES MELLITUS IN OBESE PATIENTS] Lishko Kla, Severova TM, Peregodov Ala, Sergeev Ol *Sov Med* 106-10, Jun 75 (Rus)

ADULT; AGED; APPETITE DEPRESSANTS (therapeutic use); BIGUANIDES (therapeutic use); DIABETES MELLITUS (drug therapy); HUMAN; HYPOGLYCEMIC AGENTS (therapeutic use); MIDDLE AGE; OBESITY IN DIABETES (drug therapy); SULFANILAMIDES (therapeutic use).

Liban E

DIABETES AND ANTENATAL FETAL DEATH. Salzberger M, Liban E *Isr J Med Sci* 11: 623-8, Jun 75 (Eng)

Diabetes Literature—Author Index

Lorenz C

SIGNIFICANCE OF THE ORAL GLUCOSE TOLERANCE TEST PERFORMED ON THE THIRD DAY AFTER DELIVERY FOR THE DIAGNOSIS OF DIABETES IN PREGNANCY. Salzberger M, Sharon A, Liban E *Isr J Med Sci* 11: 629-31, Jun 75 (Eng)

Librach G

ASSESSING INCIDENCE AND RISK FACTORS IN MYOCARDIAL INFARCTION. Librach G, Schadel M, Seltzer M, Hart A *Geriatrics* 30: 79-82, 89-93, Sep 75 (Eng)

AFRICA (ethnology); AGE FACTORS; AGED; ASIA (ethnology); CHOLESTEROL (blood); DIABETES MELLITUS (complications); EUROPE (ethnology); FAMILY CHARACTERISTICS; FEMALE; HUMAN; HYPERTENSION (complications); ISRAEL; MALE; MYOCARDIAL INFARCT (occurrence, etiology); PROSPECTIVE STUDIES; RISK; SEX FACTORS.

Lichtman MA

UPTAKE OF 3-O-METHYL-14C-D-GLUCOSE BY RAT THYMIC LYMPHOCYTES: INSENSITIVITY TO CORTISOL AND INHIBITORS OF RIBONUCLEIC ACID AND PROTEIN SYNTHESIS, AND SENSITIVITY TO CYTOCHALASIN B. Feldman MJ, Kraetsch RE, Lichtman MA, Peck WA *J Reticuloendothel Soc* 16: 318-26, Dec 74 (Eng)

Likar IN

GLYCOSAMINOGLYCANS AND ARTERIAL DISEASE. Robinson RW, Likar IN, Likar LJ *Monogr Atheroscler* 5: v-viii, 1-136, 1975 (Eng) [482]

Likar LJ

GLYCOSAMINOGLYCANS AND ARTERIAL DISEASE. Robinson RW, Likar IN, Likar LJ *Monogr Atheroscler* 5: v-viii, 1-136, 1975 (Eng) [482]

Lima Costa ME

RELATION BETWEEN REDUCED NICOTINAMIDE ADENINE DINUCLEOTIDE OXIDATION AND AMINO ACID TRANSPORT IN MEMBRANE VESICLES FROM BACILLUS SUBTILIS. Bisschop A, de Jong L, Lima Costa ME, Konings WN *J Bacteriol* 121: 807-13, Mar 75 (Eng)

Lin S

BINDING OF CYTOCHALASIN B TO A RED CELL MEMBRANE PROTEIN. Lin S, Spudich JA *Biochem Biophys Res Commun* 61: 1471-6, 23 Dec 74 (Eng)

BENZENESULFONATES (pharmacodynamics); BINDING SITES; BLOOD PROTEINS (metabolism); CELL MEMBRANE (metabolism, drug effects); CHLOROMERCURIBENZOATES (pharmacodynamics); CYTOCHALASIN B (metabolism); ERYTHROCYTES (metabolism, drug effects); HUMAN; KINETICS; MALEATES; MERCAPTOETHANOL (pharmacodynamics); PROTEIN BINDING; RECEPTORS, DRUG.

Lin TM

ACTION OF GLUCAGON AND ATROPINE ON MUCOSAL BLOOD FLOW OF RESINING FUNDIC POUCHES OF DOGS. Warrick M, Lin TM *Life Sci* 17: 333-8, 1 Aug 75 (Eng)

Lindberg O

[MECHANISM OF THERMOREGULATION IN THE BROWN ADIPOSE TISSUE.] Lindberg O *Cesk Fysiol* 23: 77-83, 1974 (Cze)
ANIMAL EXPERIMENTS; BODY TEMPERATURE REGULATION; BROWN FAT (physiology, metabolism); FATTY ACIDS, NONESTERIFIED (metabolism); HUMAN.

Lindsay DB

PROCEEDINGS: THE EFFECT OF CASEIN AND AMINO ACIDS ON GLUCOSE SYNTHESIS IN SHEEP. Lindsay DB, Dyke C *Proc Nutr Soc* 33: 39a-40a, Sep 74 (Eng)

ABOMASUM; AMINO ACIDS (metabolism); ANIMAL EXPERIMENTS; ANIMAL NUTRITION; CASEIN (metabolism); GLUCONEOGENESIS; PROPIONATES (metabolism); RUMEN (metabolism); SHEEP.

Litoux P

[ACQUIRED ULCERO-MUTILATING ACROPATHIES IN ADULTS. CRITICAL STUDY OF 150 PERSONAL CASES] Barriere H, Litoux P, Bureau B, Guihenuec P, Welin J *Sem Hop Paris* 51: 595-9, 20 Feb 75 (Fre)

Littlewood V

DIFFERENCES IN PROLIFERATIVE ACTIVITY OF RAT AND HUMAN PROSTATE IN CULTURE. Shipman PA, Littlewood V, Riches AC, Thomas GH *Br J Cancer* 31: 570-80, May 75 (Eng)

Litwin E

[STUDIES UPON THE EFFECT OF AGE AND NUTRITIONAL FACTORS ON LIPID AND PROTEIN METABOLISM IN INFANTS (AUTHORS TRANSL.)] Gornicki B, Litwin E, Krukowa A, Kleczkowska H, Rodkiewicz B, Kowalczyk Z, Dzieniszewska L, Wachnik Z, Symonowicz H *Probl Med Wieku Rozwoj* 1: 33-70, 1972 (Pol)

[STUDIES ON THE EFFECT OF MODE OF NUTRITION ON SOMATIC DEVELOPMENT OF INFANTS. COMMUNICATION II. DEVELOPMENT OF SUBCUTANEOUS FATTY TISSUE IN INFANTS (AUTHORS TRANSL.)] Gornicki B, Dzieniszewska-Klepcka L, Litwin E *Probl Med Wieku Rozwoj* 2: 27-43, 1972 (Pol)

Liu F

COMPARISON OF 125-I-INSULIN BINDING AND DEGRADATION TO ISOLATED RAT HEPATOCYTES AND LIVER MEMBRANES. Olefsky J, Johnson J, Liu F, Edwards P, Baur S *Diabetes* 24: 801-10, Sep 75 (Eng)

Liu TS

TIME SERIES ANALYSIS OF HORMONAL PATTERNS IN HUMAN PLASMA. Vagnucci AH, Wong AK, Liu TS *Comput Biomed Res* 7: 513-32, Dec 74 (Eng)

Lloyd MH

EFFECT OF PHENFORMIN ON GLUCONEOGENESIS FROM LACTATE AND INTRACELLULAR PH IN THE ISOLATED PERFUSED GUINEA PIG LIVER. Lloyd MH, Iles RA, Walton B, Hamilton CA, Cohen RD *Diabetes* 24: 618-24, Jul 75 (Eng)

ACIDOSIS (chemically induced); ALANINE (biosynthesis); ANIMAL; FATTY ACIDS, NONESTERIFIED (metabolism); GLUCONEOGENESIS (drug effects); GLUCOSE (metabolism); GUINEA PIGS; KETONE BODIES (metabolism); LACTATES (metabolism); LIVER GLYCOGEN (metabolism); LIVER (metabolism, drug effects); OXAZOLES; PHENFORMIN (pharmacodynamics, adverse effects); PHILIPPINES; PYRUVATES (metabolism).

Loffer FD

DECREASED CARBOHYDRATE TOLERANCE IN PREGNANT PATIENTS WITH AN EARLY MENARCHE. Loffer FD *Am J Obstet Gynecol* 123: 180-4, 15 Sep 75 (Eng)

BLOOD SUGAR (analysis); FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; MENARCHE; PARITY; PREDIABETIC STATE (diagnosis); PREGNANCY IN DIABETES (diagnosis); PREGNANCY; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Lohmann D

[LATE COMPLICATIONS OF DIABETES MELLITUS-CONSEQUENCE OF IMMUNOLOGIC REACTIONS] Bemm H, Lohmann D *Allerg Immunol (Leipz)* 20-21: 15-20, 1974-75 (Ger)

Loiko ZI

[REGULATION OF LIPID SYNTHESIS UNDER CONDITIONS OF A VARYING GROWTH RATE IN CANDIDA TROPICALIS AND IN MICROCOCCUS FREUDENREICHII.] Isakova DM, Kvasnikov EI, Loiko ZI *Prikl Biokhim Mikrobiol* 10: 831-6, Nov-Dec 74 (Rus)

Londos C

MULTIPLE INHIBITORY AND ACTIVATING EFFECTS OF NUCLEOTIDES AND MAGNESIUM ON ADRENAL ADENYLATE CYCLASE. Londos C, Rodbell M *J Biol Chem* 250: 3459-65, 10 May 75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); ADENOSINE TRIPHOSPHATE (pharmacodynamics); ADENYL CYCLASE (metabolism); ADRENAL GLANDS (enzymology); ANIMAL EXPERIMENTS; CORTICOTROPIN (pharmacodynamics); DOSE-RESPONSE RELATIONSHIP; DRUG, ENZYME ACTIVATION; FLUORIDES (pharmacodynamics); GUANINE NUCLEOTIDES (pharmacodynamics); GUANOSINE TRIPHOSPHATE (pharmacodynamics); KINETICS; MAGNESIUM (pharmacodynamics); MALE; PURINE NUCLEOTIDES (pharmacodynamics); PYRIMIDINE NUCLEOTIDES (pharmacodynamics); RATS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Lopez A

EFFECT OF EXERCISE AND PHYSICAL FITNESS ON SERUM LIPIDS AND LIPOPROTEINS. Lopez A, Vial R, Balart L, Arroyave G *Atherosclerosis* 20: 1-9, Jul-Aug 74 (Eng)

ACETYLTRANSFERASES (blood); ADOLESCENCE; ADULT; ATHEROSCLEROSIS (etiology); BODY WEIGHT; CHOLESTEROL (blood); CORONARY DISEASE (etiology); ELECTROPHORESIS, STARCH GEL; EXERTION; HONDURAS; HUMAN; LECITHINS (blood); LIPIDS (blood); LIPOPROTEINS (blood); LIPOPROTEINS, HDL (blood); LIPOPROTEINS, LDL (blood); LIPOPROTEINS, VLDL (blood); MALE; NUTRITION SURVEYS; PHYSICAL FITNESS; PULSE; TIME FACTORS; TRIGLYCERIDES (blood); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Lorenson MG

AMINO TERMINAL RESIDUE HETEROGENEITY OF BOVINE AND OVINE GROWTH HORMONES AS REVEALED BY POLYACRYLAMIDE GEL ELECTROPHORESIS. Lorenson MG, Ellis S *Endocrinology* 96: 833-8, Apr 75 (Eng)

ALANINE (analysis); ANIMAL EXPERIMENTS; CATTLE (metabolism); COMPARATIVE STUDY; ELECTROPHORESIS, POLYACRYLAMIDE GEL (methods); HYDROGEN-ION CONCENTRATION; ISOELECTRIC FOCUSING; METHIONINE (analysis); PHENYLALANINE (analysis); RATS; SOMATOTROPIN (analysis); SWINE (metabolism).

Lorenz C

[GLUCOSE TOLERANCE AND THYROID FUNCTION] Voss C, Lorenz C, Ratzmann L, Hartmann N *Acta Biol Med Ger* 33: 515-20, 1974 (Ger)

Lasert W

Losert W

[INFLUENCE OF INDOLE-3-ALKANECARBOXYLIC ACIDS ON GLUCOSE UTILIZATION IN RATS] Losert W, Kraaz W *Arzneim Forsch* 25: 880-7, Jun 75 (Ger)
ALLOXAN DIABETES (metabolism); ANIMAL; BLOOD SUGAR (metabolism); BUTYRIC ACIDS (pharmacodynamics); ENGLISH ABSTRACT; FATTY ACIDS, NONESTERIFIED (blood); GLUCONEOGENESIS (drug effects); GLUCOSE TOLERANCE TEST; GLUCOSE (metabolism); INDOLES (pharmacodynamics); INSULIN (blood, pharmacodynamics); ISLANDS OF LANGERHANS (drug effects); LIVER (metabolism, drug effects); MALE; PROPIONIC ACIDS (pharmacodynamics); PYRUVATES (metabolism); RATS.

Lostia O

[EFFECT OF PLOTTING BY EYE OF THE CALIBRATION CURVE IN RADIOIMMUNOLOGIC ASSAYS] Taggi F, Lostia O *Ann Ist Super Sanita* 10: 47-62, 1974 (Ita)

Loten EG

METABOLIC ANOMALIES OF THE OBESE-HYPERGLYCEMIC (OB/OB) MICE OF BAR HARBOR. Jeanrenaud B, Assimacopoulos-Jeanet F, Loten EG, Karakash C, Le Marchand Y *Isr J Med Sci* 11: 723-9, Jul 75 (Eng)

Lowie EG

HEMODIALYSIS-RELATED PROBLEMS IN PATIENTS WITH DIABETES MELLITUS. Kaissis SD, Yen MC, Lazarus M, Lowie EG, Goldstein HH, Takacs FJ, Hampers CL, Merrill JD *Kidney Int [Suppl]* 100-7, Oct 74 (Eng)

CARDIOVASCULAR DISEASE IN UREMIC PATIENTS ON HEMODIALYSIS. Lazarus JM, Lowie EG, Hampers CL, Merrill JP *Kidney Int [Suppl]* 167-75, Jan 75 (Eng) [56]

Lozhkin BT

[PROTON AND ELECTRON TRANSPORT THROUGH BILAYER MEMBRANES AND THE DECAENE/WATER INTERFACE IN THE PRESENCE OF CHLOROPHYLL] Volkov AG, Lozhkin BT, Boguslavskii LI *Dokl Akad Nauk SSSR* 220: 1207-10, 1975 (Rus)

Lubbe WF

LETTER: ARE FREE FATTY ACIDS ARHYTHMOGENIC? Opie LH, Lubbe WF *J Mol Cell Cardiol* 7: 155-9, Feb 75 (Eng)

Lucas JJ

THE PARTICIPATION OF LIPID-LINKED OLIGOSACCHARIDE IN SYNTHESIS OF MEMBRANE GLYCOPROTEINS. Lucas JJ, Waechter J, Lennarz WJ *J Biol Chem* 250: 1992-2002, 25 Mar 75 (Eng)

ACETAMIDES; CATIONS, DIVALENT (pharmacodynamics); CELL MEMBRANE (metabolism); CHICKENS; FEMALE; GLUCOSAMINE (metabolism); GLYCOLIPIDS (metabolism); GLYCOPROTEINS (biosynthesis); GUANINE NUCLEOTIDES; MANNOSE (metabolism); OLIGOSACCHARIDES (metabolism, isolation & purification); OVIDUCTS (metabolism); PRONASE; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Luft R

[PREDIABETIC STATE, DIABETES AND ARTERIOSCLEROSIS] Efendic S, Milentijevic G, Luft R *Srp Arh Celok Lek* 103: 249-55, Apr 75 (Ser)

Luine VN

EFFECT OF GONADAL HORMONES ON ENZYME ACTIVITIES IN BRAIN AND PITUITARY OF MALE AND FEMALE RATS. Luine VN, Khylchevskaya RI, McEwen BS *Brain Res* 86: 283-92, 21 Mar 75 (Eng)

Diabetes Literature—Author Index

AMYGDALOID BODY (enzymology); ANDROGENS (physiology); ANIMAL EXPERIMENTS; ESTRADIOL (pharmacodynamics); ESTROGENS (physiology); FEMALE; GLUCOSEPHOSPHATE DEHYDROGENASE (analysis); HEXOKINASE (analysis); HYPOTHALAMUS (enzymology); ISOCITRATE DEHYDROGENASE (analysis); LACTATE DEHYDROGENASE (analysis); MALATE DEHYDROGENASE (analysis); MALE; OVARY (physiology); PHOSPHOGLUCONATE DEHYDROGENASE (analysis); PITUITARY GLAND (enzymology); RATS; TESTIS (physiology); TESTOSTERONE (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Lumsden RD

STRUCTURE AND FUNCTION OF PARASITE SURFACE MEMBRANES. I. MECHANICAL OF PHLORIZIN INHIBITION OF HEXOSE TRANSPORT BY THE CESTODE HYMENOLEPIS DEMINUTA. McCracken RO, Lumsden RD *Comp Biochem Physiol [B]* 50: 153-7, 15 Jan 75 (Eng)

Luxan JF

[PERIODONTAL DISEASES IN DIABETES MELLITUS] Luxan JF *An Exp Odontostomatol* 34: 273-90, Jul-Aug 75 (Spa)
DIABETES MELLITUS; PERIODONTAL DISEASES.

Luyckx AS

CATECHOLAMINES AND EXERCISE-INDUCED GLUCAGON AND FATTY ACID MOBILIZATION IN THE RAT. Luyckx AS, Dresse A, Cession-Fossion A, Lefebvre PJ *Am J Physiol* 229: 376-83, Aug 75 (Eng)

ADIPOSE TISSUE (anatomy & histology); ADRENAL MEDULLA (physiology); ANIMAL; BLOOD SUGAR; CATECHOLAMINES (pharmacodynamics, analysis); CORTICOSTERONE (blood); EXERTION; FATTY ACIDS, NONESTERIFIED (metabolism, blood); GLUCAGON (metabolism, blood); INSULIN (blood); IRIS (innervation); MALE; PANCREAS (innervation); PINDOLOL (pharmacodynamics); PROPANOLOL (pharmacodynamics); RATS; RECEPTORS, ADRENERGIC; SOMATOTROPIN; SYMPATHETIC NERVOUS SYSTEM (physiology); VAS DEFERENS (innervation).

Lynch A

GLUCOSE REGULATION BY ISOLATED NEAR TERM FETAL MONKEY LIVER. Glinsmann WH, Eisen HJ, Lynch A, Chez RA *Pediatr Res* 9: 600-4, Jul 75 (Eng)

IN VIVO D-GLUCOSE ABSORPTION IN THE DEVELOPING RAT SMALL INTESTINE. Younoszai MK, Lynch A *Pediatr Res* 9: 130-3, Mar 75 (Eng)

Lysenkov NV

[ACTIVE CENTERS AND THE SUBSTRATE SPECIFICITY OF MIROORGANISM PROTEINASES] Tsyperovich AS, Lysenkov NV, Kolodzeiskaia MV *Uspe Sovrem Biol* 77: 18-34, Jan-Feb 74 (Rus) [109]

Macdonald I

PROCEEDINGS: THE EFFECT OF A HIGH-CARBOHYDRATE DIET ON SKIN LIPOGENESIS IN THE RAT. Rebello T, Macdonald I *Proc Nutr Soc* 33: 52a-53a, Sep 74 (Eng)

MacGillivray MH

INTERACTION OF ENDOGENOUS GROWTH HORMONE, CORTISOL, AND CATECHOLAMINES WITH BLOOD GLUCOSE IN CHILDREN WITH BRITTLE DIABETES MELLITUS. Bruck E, MacGillivray MH *Pediatr Res* 9: 535-41, Jun 75 (Eng)

Maccherner R

VITRECTOMY IN THE TREATMENT OF SEVERE DIABETIC RETINOPATHY, WITH FOLLOW-UP. Mandelcorn M, Maccherner R *Mod Probl Ophthalmol* 15: 226, 1975 (Eng)

Mackinnon AM

THE EFFECT OF CARBENOXOLONE SODIUM ON THE PLASMA 11-HYDROXYCORTICOID LEVELS IN CHRONIC GASTRIC ULCERATION. Gollan JL, Hecker R, Mackinnon AM *Aust NZ J Med* 5: 231-4, Jun 75 (Eng)

Mackow R

EFFECT OF HALOFENATE AND CLOFIBRATE ON LIPID SYNTHESIS IN RAT ADIPOCYTES. Greenspan MD, Germershausen JI, Mackow R *Biochim Biophys Acta* 380: 190-8, 20 Feb 75 (Eng)

MacLeod RA

POTASSIUM TRANSPORT AND THE RELATIONSHIP BETWEEN INTRACELLULAR POTASSIUM CONCENTRATION AND AMINO ACID UPTAKE BY CELLS OF A MARINE PSEUDOMONAD. Thompson J, MacLeod RA *J Bacteriol* 120: 598-603, Nov 74 (Eng)

KINETICS OF NAPLUS-DEPENDENT AMINO ACID TRANSPORT USING CELLS AND MEMBRANE VESICLES OF A MARINE PSEUDOMONAD. Spott GD, Drozdowski JP, Martin EL, MacLeod RA *Can J Microbiol* 21: 43-50, Jan 75 (Eng)

MacQuillan AM

DUAL EFFECTS OF GLUCOSE ON DICARBOXYLIC ACID TRANSPORT IN KLUYVEROMYCES LACTIS. Zmijewski MJ Jr, MacQuillan AM *Can J Microbiol* 21: 473-80, Apr 75 (Eng)

Mader M

NONSUPPRESSIBLE INSULIN-LIKE ACTIVITY: BIOLOGICAL ACTIVITY AND RECEPTOR BINDING. Zapf J, Mader M, Waldvogel M, Froesch ER *Isr J Med Sci* 11: 664-78, Jul 75 (Eng)

Madge DS

DISACCHARIDE HYDROLYSIS, INTESTINAL ABSORPTION AND ELECTROGENIC PROPERTIES IN SALMONELLA ENTEROCOLITIS IN MICE. Madge DS *Digestion* 11: 25-38, 1974 (Eng)

ANIMAL EXPERIMENTS; CHEMISTRY, PHYSICAL; DISACCHARIDES (metabolism); ENTEROCOLITIS, ACUTE (metabolism); EVOKED POTENTIALS; FEMALE; FRUCTOSE (metabolism); GLUCOSE (metabolism); HYDROLYSIS; INFECTION (microbiology); INTESTINAL ABSORPTION; INTESTINE, SMALL (metabolism, physiopathology); LACTOSE (metabolism); MALE; MALTOSE (metabolism); MANNITOL (metabolism); MICE; SALMONELLA INFECTIONS, ANIMAL (metabolism); SUCROSE (metabolism).

Maeda K

PASMA GROWTH HORMONE RESPONSES TO THYROTROPIN-RELEASING HORMONE IN THE URETHANE-ANESTHETIZED RAT. Kato Y, Chihara K, Maeda K, Ogo S, Okanishi Y *Endocrinology* 96: 1114-8, May 75 (Eng)

[PROCEEDINGS: ONE NIGHT SLEEP DEPRIVATION IN DEPRESSION AND CIRCADIAN RHYTHM IN BLOOD CORTISOL LEVEL] Yamaguchi N, Maeda K, Yoshimoto N, Sakamoto N, Miyazaki R *Folia Endocrinol Jpn* 50: 333, 20 Feb 74 (Jpn)

[PROCEEDINGS: EFFECT OF NICOTINE ON GROWTH HORMONE AND PROLACTIN SECRETION IN RATS] Kato Y, Chihara K, Maeda K, Daigo K, Imura H *Folia Endocrinol Jpn* 50: 266, 20 Feb 74 (Jpn)

[PROCEEDINGS: EFFECT OF TRH ON PITUITARY HORMONE, ESPECIALLY GROWTH HORMONE SECRETION, IN DEPRESSION] Maeda K, Yamaguchi N, Kato Y, Chihara K, Taigo K *Folia Endocrinol Jpn* 50: 267, 20 Feb 74 (Jpn)

DEPRESSION (blood); HUMAN; PITUITARY HORMONES (blood); SOMATOTROPIN (blood); THYROTROPIN-RELEASING HORMONE (pharmacodynamics).

[PROCEEDINGS: REGULATORY MECHANISM OF GROWTH HORMONE SECRETION IN RATS] Chihara K, Daigo K, Maeda K, Kato Y, Imura H *Folia Endocrinol Jpn* 50: 271, 20 Feb 74 (Jpn)

Maeda T

[PROCEEDINGS: RADIOIMMUNOASSAY OF GROWTH HORMONE AND PROLACTIN IN THE CULTURE FLUID DERIVED FROM PITUITARY TUMOR] Idemura R, Ichikawa K, Maeda T, Odagiri E, Suda T *Folia Endocrinol Jpn* 50: 289, 20 Feb 74 (Jpn)

[PROCEEDINGS: ISOLATED GROWTH HORMONE DEFICIENCY IN 2 SETS OF SIBLINGS] Ichikawa K, Idemura R, Takano K, Odagiri E, Maeda T *Folia Endocrinol Jpn* 50: 628, 20 Feb 74 (Jpn)

Maekubo H

[RESPONSES TO EXOGENOUS NOREPINEPHRINE IN RATS REARED IN COLD FOR SUCCESSIVE GENERATIONS, WITH SPECIAL REFERENCE TO CHANGES IN METABOLITES IN THE BLOOD (AUTHORS TRANSL.)] Moriya K, Maekubo H, Ito S *Hokkaido J Med Sci* 49: 98-102, Mar 74 (Jpn)

Magiure J

ACTION OF THE ADENOSINE TRIPHOSPHATE ANALOG, ADENYL-5'-IMPIDODIPHOSPHATE IN MITOCHONDRIA. Melnick RL, De Sousa JT, Magiure J, Packer L *Arch Biochem Biophys* 166: 139-44, Jan 75 (Eng)

Magnani JL

EVIDENCE FOR THE ALLOSTERIC REGULATION OF GLYCOGEN SYNTHESIS IN THE INTACT *ESCHERICHIA COLI* CELL. AGREEMENT OF THE VALUES OF THE PARAMETERS OF THE HILL EQUATION FITTED TO DATA FOR GLYCOGEN SYNTHESIS IN VIVO WITH THE AVAILABLE VALUES OBTAINED IN VITRO WITH ADENOSINE DIPHOSPHOGLUCOSE SYNTHETASE. Dietzler DN, Leckie MP, Lais CJ, Magnani JL *J Biol Chem* 250: 2383-7, 25 Mar 75 (Eng)

Maher FT

GLUCAGON-BLOOD CATECHOLAMINE TEST: USE IN ISOLATED AND FAMILIAL PHEOCHROMOCYTOMA. Siqueira-Filho AG, Sheps SG, Maher FT, Jiang NS, Elveback LR *Arch Intern Med* 135: 1227-31, Sep 75 (Eng)

Mahieu F

[HAEMOCHOLECYST INDUCED BY GAN- GRENOUS CHOLECYSTITIS IN A DIABETIC (AUTHORS TRANSL.)] Rouby J, Mahieu F, Staquet JP, Bataille JP, Lederer J *Acta Gastroenterol Belg* 38: 237-41, May-Jun 75 (Fre)

Mainoya JR

FURTHER STUDIES ON THE ACTION OF PROLACTIN ON FLUID AND ION ABSORPTION BY THE RAT JEJUNUM. Mainoya JR *Endocrinology* 96: 1158-64, May 75 (Eng)

ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT (drug effects); CALCIUM (metabolism); CHLORIDES (metabolism); CHOLINE (pharmacodynamics); DEPRESSION, CHEMICAL; DOSE-RESPONSE RELATIONSHIP, DRUG; GLUCOSE

(pharmacodynamics); HYPOPHYSECTOMY; IN VITRO; INTESTINAL ABSORPTION (drug effects); JEJUNUM (metabolism); MAGNESIUM (metabolism); MALE; QUABAIN; PHLORHIZIN (pharmacodynamics); POTASSIUM (metabolism); PROLACTIN (pharmacodynamics); RATS; SODIUM (metabolism); STIMULATION, CHEMICAL; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; VASOPRESSIN (pharmacodynamics); WATER-ELECTROLYTE BALANCE (drug effects).

EFFECTS OF BOVINE GROWTH HORMONE, HUMAN PLACENTAL LACTOGEN AND OVINE PROLACTIN ON INTESTINAL FLUID AND ION TRANSPORT IN THE RAT. Mainoya JR *Endocrinology* 96: 1165-70, May 75 (Eng)

BIOLOGICAL TRANSPORT (drug effects); CALCIUM (metabolism); COLON (metabolism); COMPARATIVE STUDY; HYPOPHYSECTOMY; ILEUM (metabolism); INTESTINAL ABSORPTION (drug effects); JEJUNUM (metabolism); MALE; PLACENTAL LACTOGEN (pharmacodynamics); POTASSIUM (metabolism); PROLACTIN (pharmacodynamics); RATS; SHEEP; SODIUM (metabolism); SOMATOTROPIN (pharmacodynamics); STIMULATION, CHEMICAL; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; WATER-ELECTROLYTE BALANCE (drug effects).

Maisaia GI

[CHORIONIC GONADOTROPIC HORMONE (A REVIEW OF THE LITERATURE)] Maisaia GI, Bakradze GA *Akush Ginekol (Mosk)* 49: 27-30, Apr 73 (Rus)

BIOCHEMISTRY; DRUG INTERACTIONS; ESTROGENS (metabolism); FEMALE; FETAL MEMBRANES (physiology); FETUS (physiology); GONADOTROPINS, CHORIONIC (physiology, analysis, immunology); GONADOTROPINS, PITUITARY (antagonists & inhibitors); HUMAN; IMMUNOLOGIC TECHNIQS; MATERNAL-FETAL EXCHANGE; MENSTRUATION (drug effects); PERIODICITY; PLACENTA (analysis); PREGNANCY TESTS; PREGNANCY; STRUCTURE-ACTIVITY RELATIONSHIP.

Makino E

[PROCEEDINGS: DIENCEPHALON-PITUITARY-ADRENAL SYSTEM AND CYCLIC AMP] Makino E, Matsumura Y, Masaka M, Yamamoto M, Kumagai A *Folia Endocrinol Jpn* 50: 469, 20 Feb 74 (Jpn)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ADRENAL GLANDS (metabolism); ANIMAL EXPERIMENTS; MALE; PITUITARY GLAND (metabolism); PITUITARY GLAND, ANTERIOR (metabolism); RATS.

Makino T

[PROCEEDINGS: SIGNIFICANCE OF GLYCOGEN METABOLISM OF THE ANTERIOR PITUITARY LOBE IN THE MECHANISMS OF LH AND FSH RELEASE] Makino T, Takahata H, Shiina M, Izuka R, Ono T *Folia Endocrinol Jpn* 50: 260, 20 Feb 74 (Jpn)

ANIMAL EXPERIMENTS; FSH (secretion); GLYCOGEN (metabolism); IN VITRO; LH (secretion); MALE; PITUITARY GLAND (metabolism); PITUITARY GLAND, ANTERIOR (metabolism); RATS.

Makowski EL

PLACENTAL PRODUCTION AND FOETAL UTILISATION OF LACTATE AND PYRUVATE. Burd LL, Jones MD Jr, Simmons MA, Makowski EL, Meschia G, Battaglia FC *Nature* 254: 710-1, 24 Apr 75 (Eng)

Malaisse-Lagae F

SYMPOSIUM III: HORMONES AND HORMONE RECEPTORS. A MORPHOLOGICAL AP-

PROACH TO SURFACE RECEPTORS IN ISLET AND LIVER CELLS. Orci L, Rufenner C, Malaisse-Lagae F, Blondel B, Amherdt M, Bataille D, Freychet P, Perrelet A *Isr J Med Sci* 11: 639-55, Jul 75 (Eng)

A MORPHOLOGICAL BASIS FOR INTERCELLULAR COMMUNICATION BETWEEN ALPHA- AND BETA-CELLS IN THE ENDOCRINE PANCREAS. Orci L, Malaisse-Lagae F, Ravazzola M, Rouiller D, Renold AE, Perrelet A, Unger R *J Clin Invest* 56: 1066-70, Oct 75 (Eng)

Malakhova EA

[ISOLATION OF LIPOPROTEIN LIPASE FROM POSTHEPARIN RAT PLASMA AND DEMONSTRATION OF ITS BIOLOGICAL ACTIVITY] Bazazian GG, Levchuk TP, Malakhova EA, Skirnova VK, Sytnina NP, Iakovlev VA *Vopr Med Khim* 20: 14-9, Jan-Feb 74 (Rus)

Malgieri JA

LACK OF FEEDBACK REGULATION OF CYCLIC 3,5-AMP ACCUMULATION BY FREE FATTY ACIDS IN CHICKEN FAT CELLS. Malgieri JA, Shepherd RE, Fain JN *J Biol Chem* 250: 6593-8, 25 Aug 75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism, pharmacodynamics); ADENOSINE DEAMINASE (metabolism); ADENOSINE TRIPHOSPHATE (pharmacodynamics); ADIPOSE TISSUE (metabolism, drug effects); ANIMAL; CHICKENS; ENZYME ACTIVATION (drug effects); FATTY ACIDS, NONESTERIFIED (physiology); FEMALE; GLUCAGON (pharmacodynamics); IN VITRO; KINETICS; LIPASE (metabolism); LIPID MOBILIZATION (drug effects); OLEIC ACIDS (pharmacodynamics); RATS; SODIUM DODECYL SULFATE (pharmacodynamics); SPECIES SPECIFICITY; THEOPHYLLINE (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Manabe H

[PROCEEDINGS: EVALUATION OF CARBOHYDRATE METABOLISM OF PATIENTS FOLLOWING PANCREATODUODENECTOMY] Miyata M, Takao T, Sadani M, Manabe H, Uozumi T *Folia Endocrinol Jpn* 50: 206, 20 Feb 74 (Jpn)

Mandel ID

SALIVARY ALTERATIONS IN DIABETES MELLITUS. Marder MZ, Abelson DC, Mandel ID *J Periodontol* 46: 567-9, Sep 75 (Eng)

Mandelcorn M

VITRECTOMY IN THE TREATMENT OF SEVERE DIABETIC RETINOPATHY, WITH FOLLOW-UP. Mandelcorn M, Machemer R *Mod Probl Ophthalmol* 15: 226, 1975 (Eng)

DIABETIC RETINOPATHY (surgery); FOLLOW-UP STUDIES; HUMAN; VITREOUS BODY (surgery).

Manna R

BEHAVIOR OF PANCREATIC GLUCAGON, INSULIN, AND HIGH IN LIVER CIRRHOSIS, AFTER ARGININE AND L.V. GLUCOSE. Greco AV, Ghirlanda G, Patrono C, Fedili G, Manna R *Acta Diabetol Lat* 11: 330-9, Jul-Aug 74 (Eng)

Manoilovich DL

[CARCINOMA OF THE ADRENAL CORTEX] Dzhurin DS, Michin IV, Popovich S, Manoilovich DL, Dzordzhevich P *Probl Endocrinol (Mosk)* 20: 51-6, May-Jun 74 (Rus)

Mansbach CM

EFFECT OF FAT FEEDING ON COMPLEX LIPID SYNTHESIS IN HAMSTER INTESTINE. Mansbach CM *Gastroenterology* 68: 708-14, Apr 75 (Eng)

Manson W

ACYLTRANSFERASES (metabolism); ANIMAL EXPERIMENTS; ANIMAL FEED; CHOLINEPHOSPHOTRANSFERASE (metabolism); CHROMATOGRAPHY; CYTOCHROME REDUCTASES (metabolism); DIETARY FATS (administration & dosage); DIGLYCERIDES (metabolism); GLUCOSEPHOSPHATE DEHYDROGENASE (metabolism); HAMSTERS; INTESTINAL ABSORPTION; INTESTINAL MUCOSA (enzymology, analysis); LIPIDS (biosynthesis); LYSOLECITHIN (metabolism); NADPH CYTOCHROME C REDUCTASE (metabolism); PHOSPHOLIPIDS (analysis); PHOSPHOTRANSFERASES (metabolism).

Manson W

ACUTE COLD EXPOSURE AND THE METABOLISM OF BLOOD GLUCOSE, LACTATE AND PYRUVATE, AND PLASMA AMINO ACIDS IN THE HIND LEG OF THE FED AND FASTED YOUNG OX. Bell AW, Gardner JW, Manson W, Thompson GE *Br J Nutr* 23: 207-17, Mar 75 (Eng)

Manz HJ

GLUCOSE UPTAKE IN THE BRAINSTEM OF THIAMINE-DEFICIENT RATS. Robertson DM, Manz HJ, Haas RA, Meyers N *Am J Pathol* 79: 107-18, Apr 75 (Eng)

Marder MZ

SALIVARY ALTERATIONS IN DIABETES MELLITUS. Marder MZ, Abelson DC, Mandel ID *J Periodontol* 46: 567-9, Sep 75 (Eng)
ADULT; CALCIUM (metabolism); DIABETES MELLITUS (metabolism); FEMALE; HUMAN; IGA (metabolism); IGG (metabolism); IGM (metabolism); MALE; MIDDLE AGE; PAROTID GLAND (metabolism); POTASSIUM (metabolism); SALIVA (metabolism, immunology); SECRETORY RATE; SODIUM (metabolism); SUBMANDIBULAR GLAND (metabolism).

Marigo S

MISUNDERSTANDING OR ERROR THE UGDP REPORT AFTER FOUR YEARS. Marigo S, Adezati L, Burnett P, Pozza G, Robba L, Urbini G *Acta Diabetol Lat* 11: 357-422, Sep - Oct 74 (Eng) [83]

ARTERIOSCLEROSIS (chemically induced); CARDIOVASCULAR DISEASES (chemically induced, mortality); CONGRESSES; DIABETES MELLITUS (drug therapy, metabolism, complications); GREAT BRITAIN; HUMAN; HYPOGLYCEMIC AGENTS (therapeutic use, adverse effects); INTERNATIONAL COOPERATION; PROSPECTIVE STUDIES; RESEARCH DESIGN; REVIEW; TOLBUTAMIDE (therapeutic use, adverse effects); UNITED STATES.

Marinani B

DECREASE IN MYELIN CONTENT OF RABBIT SCIATIC NERVE WITH AGING AND DIABETES. Spritz N, Singh H, Marinani B *Diabetes* 24: 680-3, Jul 75 (Eng)

Marinari UM

EFFECTS OF ALLOXAN DIABETES AND INSULIN ON MORPHOLOGY AND CERTAIN FUNCTIONAL ACTIVITIES OF MITOCHONDRIA OF THE RAT LIVER AND HEART. Marinari UM, Monacelli R, Cottalasso D, Novelli A *Acta Diabetol Lat* 11: 296-314, Jul-Aug 74 (Eng)

ALLOXAN DIABETES (pathology); ANIMAL; HEART (drug effects); INSULIN (pharmacodynamics); MALE; MITOCHONDRIA, LIVER (drug effects, ultrastructure); MITOCHONDRIA, MUSCLE (drug effects, ultrastructure); MYOCARDIUM (ultrastructure); OXIDATIVE PHOSPHORYLATION; RATS.

Diabetes Literature—Author Index

Markelonis G

ELABORATION OF MEDIUM CHAIN FREE FATTY ACIDS AND LONG CHAIN FATTY ACID PROSTAGLANDIN PRECURSORS BY ISOLATED ANOXIC RAT LIVER MITOCHONDRIA. Markelonis G, Garbus J *FEBS Lett* 51: 7-10, 1 Mar 75 (Eng)
ANIMAL EXPERIMENTS; ANOXIA (metabolism); FATTY ACIDS (metabolism); FATTY ACIDS, NONESTERIFIED (biosynthesis); MITOCHONDRIA, LIVER (metabolism); OXIDATIVE PHOSPHORYLATION; OXYGEN CONSUMPTION; PROSTAGLANDINS (biosynthesis); RATS; STRUCTURE-ACTIVITY RELATIONSHIP; TIME FACTORS.

Marliss EB

PLASMA AMINO ACID LEVELS AND DEVELOPMENT OF HEPATIC GLUCONEOGENESIS IN THE NEWBORN RAT. Girard JR, Guillet I, Marty J, Marliss EB *Am J Physiol* 229: 466-73, Aug 75 (Eng)

Marque G

[NN-DIMETHYLBIGUANIDE ATTENUATES THE LIPID DISORDERS OF RATS ON AN ATHEROGENIC DIET] Esteve B, Marque G, Agid R *C R Acad Sci [D] (Paris)* 280: 2465-8, 2 Jun 75 (Fre)

Marsac C

[NEONATAL LACTIC ACIDOSIS AND HYPOGLYCEMIA DUE TO A CONGENITAL HEPATIC FRUCTOSE-1,6-DIPHOSPHATASE DEFICIENCY] Retbi JM, Gabilán JC, Marsac C *Arch Fr Pediatr* 32: 367-80, Apr 75 (Fre)

Marshall MW

COMPOSITION OF DIETS CONTAINING 25 AND 35 PER CENT CALORIES FROM FAT. ANALYZED VS. CALCULATED VALUES. Marshall MW, Iacono JM, Young CW Jr, Washington VA, Slover HT, Leapley PM *J Am Diet Assoc* 66: 470-81, May 75 (Eng)
CHOLESTEROL, DIETARY (analysis, administration & dosage); COMPARATIVE STUDY; DIET (standards); DIETARY CARBOHYDRATES (analysis); DIETARY FATS (analysis, administration & dosage); DIETARY PROTEINS (analysis); ENERGY METABOLISM; FATTY ACIDS (analysis); FEMALE; FOOD ANALYSIS (standards); HUMAN; MALE; MIDDLE AGE; MINERALS (analysis); NUTRITIONAL REQUIREMENTS; VITAMINS (analysis).

Martin C

[RENAL VEIN THROMBOSIS IN THE NEWBORN INFANT. Demarquez JL, Tavernier J, Babin JP, de Caqueray C, Auzeir J, Allain D, Martin C *Arch Fr Pediatr* 32: 381-92, Apr 75 (Fre)

Martin EL

KINETICS OF NAPLUS-DEPENDENT AMINO ACID TRANSPORT USING CELLS AND MEMBRANE VESICLES OF A MARINE PSEUDOMONAD. Sprott GD, Drozdowski JP, Martin EL, MacLeod RA *Can J Microbiol* 21: 43-50, Jan 75 (Eng)

Martin JB

EFFECTS OF SOMATOSTATIN AND HYPOTHALAMIC VENTROMEDIAL LESIONS ON GH RELEASE INDUCED BY MORPHINE. Martin JB, Audet J, Saunders A *Endocrinology* 96: 839-47, Apr 75 (Eng)
ANIMAL EXPERIMENTS; DOSE-RESPONSE RELATIONSHIP, DRUG; HYPOTHALAMUS (physiology); MALE; METHYLTYROSINES (pharmacodynamics); MORPHINE (pharmacodynamics); P-CHLOROPHENYLLANALANINE (pharmacodynamics); PEPTIDES

(pharmacodynamics); PHENOXYBENZAMINE (pharmacodynamics); PROPANOLOL (pharmacodynamics); RATS; SOMATOTROPIN RELEASING HORMONE (antagonists & inhibitors); SOMATOTROPIN (secretion); STIMULATION, CHEMICAL.

Martin JM

CONTROL OF DIABETIC PATIENTS: COMPARISON OF INFORMATION OBTAINED FROM FASTING BLOOD SUGAR LEVEL AND THE GLYCEMIC CYCLE. Mejean L, Drouin P, Martin JM, Debry G *Acta Diabetol Lat* 11: 340-6, Jul-Aug 74 (Eng)

Martinson DR

EFFECT OF GLUCOSE ON THE GROWTH HORMONE RESPONSE TO L-DOPA IN NORMAL AND DIABETIC SUBJECTS. Ajlouni K, Martinson DR, Hagen TC *Diabetes* 24: 633-6, Jul 75 (Eng)

Marty J

PLASMA AMINO ACID LEVELS AND DEVELOPMENT OF HEPATIC GLUCONEOGENESIS IN THE NEWBORN RAT. Girard JR, Guillet I, Marty J, Marliss EB *Am J Physiol* 229: 466-73, Aug 75 (Eng)

Maruyama H

[PROCEEDINGS: TSH RESPONSE IN TRH LOADING TEST IN PATIENTS WITH OBESITY. 2. A COMPARISON WITH THIN PATIENTS] Suzuki A, Kato T, Maruyama H, Suzuki H, Takabayashi Y *Folia Endocrinol Jpn* 50: 111, 20 Feb 74 (Jpn)

Masaka M

[PROCEEDINGS: DIENCEPHALON-PITUITARY-ADRENAL SYSTEM AND CYCLIC AMP] Makino E, Matsushima Y, Masaka M, Yamamoto M, Kumagai A *Folia Endocrinol Jpn* 50: 469, 20 Feb 74 (Jpn)

Masek K

[RELATIONSHIP OF THE PROSTAGLANDINS TO THE LIPID AND GLYCIDE METABOLISM, ADHESIVENESS AND AGGREGATION OF THE BLOOD PLATELETS AND INFLAMMATORY REACTION] Masek K *Cas Lek Cesk* 114: 23-6, 3 Jan 75 (Cze)

ANIMAL EXPERIMENTS; CARBOHYDRATES (metabolism); DOGS; ENGLISH ABSTRACT; HUMAN; INFLAMMATION (physiopathology); LIPIDS (metabolism); PLATELET ADHESIVENESS (drug effects); PLATELET AGGREGATION (drug effects); PROSTAGLANDINS (pharmacodynamics, physiology); RABBITS; RATS.

[THE MECHANISM OF ACTION OF PROSTAGLANDINS (AUTHORS TRANSL.)] Masek K *Cas Lek Cesk* 114: 45-8, 10 Jan 75 (Cze)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); BIOLOGICAL TRANSPORT (drug effects); CALCIUM (metabolism); ENGLISH ABSTRACT; HUMAN; PROSTAGLANDINS (pharmacodynamics).

Mashiach S

MATERNAL AND FETAL RESPONSE TO RAPID GLUCOSE LOADING IN PREGNANCY AND LABOR. Zakut H, Mashiach S, Blankstein J, Serr DM *Isr J Med Sci* 11: 632-7, Jun 75 (Eng)

Masiello P

AGE-DEPENDENT CHANGES IN THE SENSITIVITY OF THE RAT TO A DIABETOGENIC AGENT (STREPTOZOTOCIN). Masiello P, De Paoli A, Bergamini E *Endocrinology* 96: 787-9, Mar 75 (Eng)

AGING; ANIMAL EXPERIMENTS; BLOOD SUGAR; BODY WEIGHT; DOSE-RESPONSE RELATIONSHIP, DRUG; MALE; RATS; STREPTOZOTOCIN (pharmacodynamics).

Massa EM

HORMONE ACTION AND MEMBRANE FLUIDITY: EFFECT OF INSULIN AND CORTISOL ON THE HILL COEFFICIENTS OF RAT ERYTHROCYTE MEMBRANE-BOUND ACETYLCHOLINESTERASE AND (NA⁺ & K⁺)-ATPASE. Massa EM, Morero RD, Bloj B, Farías RN *Biochem Biophys Res Commun* 66: 115-22, 2 Sep 75 (Eng)

ACETYLCHOLINESTERASE (blood); ADENOSINE TRIPHOSPHATASE (blood); ANIMAL: CELL MEMBRANE (enzymology, drug effects); DIETARY FATS; ENZYME ACTIVATION (drug effects); ERYTHROCYTES (enzymology, drug effects); FLUORIDES (pharmacodynamics); HYDROCORTISONE (pharmacodynamics); INSULIN (pharmacodynamics); KINETICS; MALE; POTASSIUM (pharmacodynamics); RATS; SODIUM (pharmacodynamics).

Massey DE

GUINEA PIG PROINSULIN. PRIMARY STRUCTURE OF THE C-PEPTIDE ISOLATED FROM PANCREAS. Massey DE, Smyth DG *J Biol Chem* 250: 6288-90, 25 Aug 75 (Eng)

AMINO ACID SEQUENCE; ANIMAL; CATTLE; GUINEA PIGS; HUMAN; PANCREAS (analysis); PROINSULIN; SPECIES SPECIFICITY; SWINE.

Mathieu H

[PROBLEMS RAISED BY CORTICOID THERAPY IN CHILDREN] Mathieu H *Rev Prat* 25: 1151-8, 11 Mar 75 (Fre)

ADRENAL CORTX HORMONES (adverse effects, therapeutic use); ADRENAL GLAND HYPOFUNCTION (chemically induced, drug therapy); ADRENAL GLANDS (drug effects); AGE FACTORS; ANIMAL; CHICKENPOX (complications); CHILD; DIABETES MELLITUS (chemically induced); ENGLISH ABSTRACT; GROWTH DISORDERS (chemically induced); HUMAN; HYDROCORTISONE (therapeutic use); HYPOTHALAMUS (drug effects); MUSCULAR DISEASES (chemically induced); NEPHROTIC SYNDROME (drug therapy); OBESITY (chemically induced); OSTEOPOROSIS (chemically induced); PITUITARY GLAND (drug effects); PREDNISONE (pharmacodynamics); PREGNANCY; PSEUDOTUMOR CEREBRI (chemically induced); RABBITS; RATS; SPECIAL LIST FOREIGN.

Mathis C

[INFLUENCE OF THE SUPPLEMENTATION OF RATION WITH CONJUGATED BILIARY SALTS ON THE EQUIPMENT AND BILIARY ACIDS OF THE SMALL INTESTINE IN THE RAT. MODIFICATIONS OF THE APPARENT ABSORPTION OF FATTY ACIDS] Demarne Y, Sacquet E, Van Heijenoort Y, Mathis C *Ann Biol Anim Biochim Biophys* 14: 239-50, 1974 (Fre)

Mathur PP

SUBCELLULAR DISTRIBUTION AND INCORPORATION OF PALMITATE-U-14C INTO MYOCARDIAL LIPIDS: ROLE OF ENDOGENOUS AND EXOGENOUS CATECHOLAMINES. Mathur PP, Mokler CM *J Mol Cell Cardiol* 7: 17-26, Jan 75 (Eng)

ANIMAL EXPERIMENTS; CATECHOLAMINES (physiology); FATTY ACIDS, NONESTERIFIED (biosynthesis); GLYCERIDES (biosynthesis); HEART (physiology, drug effects); LIPIDS (biosynthesis); MYOCARDIUM (metabolism); NOREPINEPHRINE (pharmacodynamics); PALMITIC ACIDS (metabolism); PHOSPHOLIPIDS (biosynthesis); RABBITS; RESERPINE (pharmacodynamics); SUBCELLULAR FRACTIONS (metabolism); TIME FACTORS.

Matin SB

DETERMINATION OF PHENFORMIN IN BIOLOGICAL FLUIDS USING CHEMICAL

IONIZATION MASS SPECTROMETRY. Matin SB, Karam JH, Forsham PH, Knight JB *Biomed Mass Spectrom* 1: 320-2, Oct 74 (Eng)

BLOOD SUGAR (analysis); CHROMATOGRAPHY, GAS; DEUTERIUM; DIABETES MELLITUS (blood); HUMAN; METHODS; PHENFORMIN (blood); SPECTRUM ANALYSIS, MASS; TIME FACTORS; VOLATILIZATION.

THE USE OF SOLID PROBE CHEMICAL IONIZATION MASS SPECTROMETRY AND GAS CHROMATOGRAPHY-CHEMICAL IONIZATION MASS SPECTROMETRY IN QUANTITATION OF DRUGS IN BIOLOGICAL FLUIDS. DETERMINATION OF TOLBUTAMIDE AND ITS METABOLITES IN HUMAN PLASMA. Matin SB, Knight JB *Biomed Mass Spectrom* 1: 323-8, Oct 74 (Eng)

CHROMATOGRAPHY, GAS; DEUTERIUM; DIABETES MELLITUS (metabolism); HUMAN; ISOTOPE LABELING; METHODS; METHYLATION; ON LINE SYSTEMS; SPECTRUM ANALYSIS, MASS; TIME FACTORS; TOLBUTAMIDE (blood, metabolism).

Matsui N

[PROCEEDINGS: PROTEIN BINDING OF CORTISOL AND GLUCOSE METABOLISM INHIBITON BY THYMIC CELLS] Senoo H, Niimi M, Matsui N *Folia Endocrinol Jpn* 50: 339, 20 Feb 74 (Jpn)

Matsuoka N

[PROCEEDINGS: ACTION MECHANISM OF LIPID MOBILIZING HORMONE AND CAMP] Saito Y, Matsuoka N, Okuda T, Fujii S *Folia Endocrinol Jpn* 50: 479, 20 Feb 74 (Jpn)

[PROCEEDINGS: MECHANISM OF LIPID METABOLISM REGULATION IN LIPID MICELLES] Matsuoka N, Saito Y, Okuda T, Fujii S *Folia Endocrinol Jpn* 50: 651, 20 Feb 74 (Jpn)

LIPIDS (metabolism).

Matsushima Y

[PROCEEDINGS: DIENCEPHALON-PITUITARY-ADRENAL SYSTEM AND CYCLIC AMP] Makino E, Matsushima Y, Masaka M, Yamamoto M, Kumagai A *Folia Endocrinol Jpn* 50: 469, 20 Feb 74 (Jpn)

Matsuyama T

GASTRIC OPERATIONS AND GLUCOSE HOMEOSTASIS. II. GLUCAGON AND SECRETIN. Breuer RI, Zuckerman L, Hauch TW, Green W, OGara P, Lawrence AM, Foa PP, Matsuyama T *Gastroenterology* 69: 598-606, Sep 75 (Eng)

Matsuzaki F

[PROCEEDINGS: RADIORECEPTOR ASSAY OF GROWTH HORMONE AND PROLACTIN (2)] Matsuzaki F, Suzuki K *Folia Endocrinol Jpn* 50: 178, 20 Feb 74 (Jpn)

ANIMAL EXPERIMENTS; FEMALE; HUMAN; MALE; PROLACTIN (blood); RABBITS; RADIOLOGAND ASSAY; RATS; SOMATOTROPIN (blood).

Matyjek J

[DIABETIC AMYOTROPHY] Indan L, Jackowska D, Matyjek J *Pol Tyg Lek* 30: 1537-8, 15 Sep 75 (Pol)

Matyniak LG

[CHARACTERISTICS OF THE PLACENTAL MITOCHONDRIA IN WOMEN AT VARIOUS PERIODS OF PHYSIOLOGICAL PREGNANCY] Bulienko SD, Kisilevich RSh, Skvarko SI, Matyniak LG *Ukr Biokhim Zh* 46: 492-5, Jul-Aug 74 (Ukr)

Mazon MJ

HEXOSE KINASES FROM RHODOTORULA GLUTINIS. IDENTIFICATION AND PROPERTIES OF AN HEXOKINASE AND A GLUCOKINASE. Mazon MJ, Gancedo JM, Gancedo C *Arch Biochem Biophys* 167: 452-7, Apr 75 (Eng)

ALCOHOL, ETHYL (pharmacodynamics); CHROMATOGRAPHY, DEAE-CELLULOSE; FRUCTOSE (pharmacodynamics); GEL FILTRATION; GLUCOKINASE (metabolism, isolation & purification); GLUCOSE (pharmacodynamics); HEXOKINASE (metabolism, isolation & purification); HYDROGEN-ION CONCENTRATION; KINETICS; MONILIALES (enzymology, drug effects); STRUCTURE-ACTIVITY RELATIONSHIP; TIME FACTORS.

Mazzaferrri EL

GASTRIC INHIBITORY POLYPEPTIDE (GIP) STIMULATED BY FAT INGESTION IN MAN. Falko JM, Crockett SE, Cataland S, Mazzaferrri EL *J Clin Endocrinol Metab* 41: 260-5, Aug 75 (Eng)

McBurney A

STUDIES ON THE ABSORPTION AND METABOLISM OF PHYLLIOQUINONE (VITAMIN K1) IN MAN. Shearer MJ, McBurney A, Barkhan P *Vitam Horm* 32: 513-42, 1974 (Eng) [34]

McConnell H

PHASE SEPARATIONS IN PHOSPHOLIPID MEMBRANES. Hong-wei S, McConnell H *Biochemistry* 14: 847-54, 25 Feb 75 (Eng)

McCoy GD

CHARACTERIZATION OF THE PHOSPHOENOLPYRUVATE INHIBITION OF MITOCHONDRIAL PROTEIN SYNTHESIS. McCoy GD, Doeg KA *J Biol Chem* 250: 3510-4, 10 May 75 (Eng)

ADENINE NUCLEOTIDES (metabolism); ANIMAL EXPERIMENTS; ATRACTYLOSIDE (pharmacodynamics); BIOLOGICAL TRANSPORT; CITRATES (metabolism); DEPRESSION, CHEMICAL; MALATES (metabolism); MALE; MITOCHONDRIA, LIVER (metabolism); PHOSPHOENOLPYRUVATE (pharmacodynamics); PROTEINS (biosynthesis); RATS; SUCCINATES (metabolism); TRICARBOXYLIC ACIDS (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

McCracken RO

STRUCTURE AND FUNCTION OF PARASITE SURFACE MEMBRANES. I. MECHANICAL OF PHLORIZIN INHIBITION OF HEXOSE TRANSPORT BY THE CESTODE HYMENOLEPIS DEMINUTA. McCracken RO, Lumsden RD *Comp Biochem Physiol [B]* 50: 153-7, 15 Jan 75 (Eng)

ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT (drug effects); CESTODA (metabolism); GALACTOSE (metabolism); GLUCOSE (metabolism); HYMENOLEPIS (metabolism, drug effects); KINETICS; MALE; PHLORETIN (pharmacodynamics); PHLORIZIN (pharmacodynamics, metabolism); RATS; TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

McDaniel ML

EFFECTS OF CYPROHEPTADINE ON INSULIN SECRETION BY ISOLATED PERFUSED RAT ISLETS. Richardson BP, McDaniel ML, Lacy PE *Diabetes* 24: 836-41, Sep 75 (Eng)

McEvoy RC

ISLET CELL TRANSPLANTATION. Leonard RJ, Lazarow A, McEvoy RC, Hegre OD *Kidney Int [Suppl]* 169-78, Oct 74 (Eng)

Diabetes Literature—Author Index

McEwen BS

McEwen BS

EFFECT OF GONADAL HORMONES ON ENZYME ACTIVITIES IN BRAIN AND PITUITARY OF MALE AND FEMALE RATS. Luine VN, Khylychevskaya RI, McEwen BS *Brain Res* 86: 283-92, 21 Mar 75 (Eng)

McGee D

CHANGES ASSOCIATED WITH QUITTING CIGARETTE SMOKING: THE FRAMINGHAM STUDY. Gordon T, Kannel WB, Dawber TR, McGee D *Am Heart J* 90: 322-8, Sep 75 (Eng)

McGregor L

PROCEEDINGS: EFFECT OF FEEDING WITH SUCROSE AND OTHER CARBOHYDRATES ON PLATELET FUNCTION IN RATS. McGregor L *Proc Nutr Soc* 33: 23a-24a, Sep 74 (Eng)

ADENOSINE DIPHOSPHATE (pharmacodynamics); ANIMAL EXPERIMENTS; BLOOD PLATELETS (physiology, drug effects); COMPARATIVE STUDY; DIETARY CARBOHYDRATES (administration & dosage); GLUCOSE (pharmacodynamics); MALE; PLATELET ADHESIVENESS (drug effects); RATS; STARCH (pharmacodynamics); SUCROSE (pharmacodynamics); THROMBOSIS (etiology).

McKenna BA

SPONTANEOUS REMISSION OF THE NEPHROTIC SYNDROME IN DIABETIC NEPHROPATHY. Pabico RC, Panner BJ, McKenna BA, Freeman RB *Am J Med* 59: 434-43, Sep 75 (Eng)

McLean WG

SLOW AXONAL TRANSPORT OF PROTEINS; BLOCKADE BY INTERRUPTION OF CONTACT BETWEEN CELL BODY AND AXON. Frizell M, McLean WG, Sjostrand J *Brain Res* 86: 67-73, 14 Mar 75 (Eng)

Medoff G

CURRENT CONCEPTS IN THE TREATMENT OF OSTEOMYELITIS. Medoff G *Postgrad Med* 58: 157-61, Sep 75 (Eng)

ACUTE DISEASE; ANEMIA, SICKLE CELL (complications); ANTIBIOTICS (therapeutic use, administration & dosage); BACTERIAL INFECTIONS (complications); CHRONIC DISEASE; DIABETIC ANGIOPATHIES (complications); HUMAN; INFUSIONS, PARENTERAL; OSTEOMYELITIS (therapy, etiology, complications); POSTOPERATIVE COMPLICATIONS; SALMONELLA INFECTIONS; STAPHYLOCOCCAL INFECTIONS.

Meerson FZ

DYNAMICS OF CARBOHYDRATE METABOLISM IN THE HEART MUSCLE IN EARLY ONTOGENESIS. Meerson FZ, Larionov NP, Krotenko NM *Kardiologiia* 15: 107-13, Jan 75 (Rus)

ADENINE NUCLEOTIDES (metabolism); ADOLASE (metabolism); CARBOHYDRATES (metabolism); FRUCTOSEPHOSPHATES (metabolism); GLUCOSE (metabolism); GLUCOSEPHOSPHATE ISOMERASE (metabolism); GLUCOSEPHOSPHATES (metabolism); GLYCOLYSIS; HEXOKINASE (metabolism); IN VITRO; LACTATE DEHYDROGENASE (metabolism); LACTATES (metabolism); MYOCARDIUM (metabolism); OXIDATIVE PHOSPHORYLATION; PHOSPHOPYRUVATE HYDRATASE (metabolism); PYRUVATE KINASE (metabolism); RATS.

Megyesi K

CIRCULATING NSILA-S IN MAN: PRELIMINARY STUDIES OF STIMULI IN VIVO AND OF

BINDING TO PLASMA COMPONENTS. Megyesi K, Kahn CR, Roth J, Gorden P *J Clin Endocrinol Metab* 41: 475-84, Sep 75 (Eng)

Mehner H

[LETTER: VIRUS ETIOLOGY OF DIABETES MELLITUS] Mehner H *Dtsch Med Wochenschr* 100: 1997, 26 Sep 75 (Ger)

DIABETES MELLITUS (etiology); HUMAN; SMALLPOX VACCINE (adverse effects); SMALLPOX (prevention & control); VACCINATION (adverse effects); VIRUS DISEASES (complications).

[THE SIGNIFICANCE OF CARBOHYDRATES IN PARENTERAL FEEDING] Forster H, Haslbeck M, Mehner H *Infusionstherapie* 1: 199-213, Feb 74 (Ger)

[METABOLISM OF THE SPLANCHNIC REGION AS INFLUENCED BY FRUCTOSE] Dietze G, Wicklmayr M, Hepp KD, Grunzt J, Stiegler G, Mehner H *Infusionstherapie* 1: 525-5, Oct 74 (Ger)

[THE METABOLISM OF THE SPLANCHNIC REGION UNDER THE INFLUENCE OF FRUCTOSE] Dietze G, Wicklmayr M, Hepp KD, Grunzt J, Stiegler G, Mehner H *Infusionstherapie* 1: 552-5, Oct 74 (Ger)

[MODERN DRUG THERAPY OF DIABETES MELLITUS] Mehner H *Med Welt* 26: 1571-6, 5 Sep 75 (Ger)

ADOLESCENCE; ADULT; BIGUANIDES (therapeutic use); DIABETES MELLITUS (drug therapy); HUMAN; INSULIN (therapeutic use); SULFONAMIDES (therapeutic use).

[TWENTY YEARS OF ORAL DIABETIC THERAPY (AUTHORS TRANSL.)] Mehner H, Dietze G, Haslbeck *Munch Med Wochenschr* 117: 1221-8, 18 Jul 75 (Ger)

ADMINISTRATION, ORAL; BIGUANIDES (therapeutic use, adverse effects); BLOOD SUGAR (metabolism); BODY WEIGHT (drug effects); CHEMISTRY; DIABETES MELLITUS (drug therapy, diet therapy, metabolism); DRUG THERAPY (history); DRUG THERAPY, COMBINATION; ENGLISH ABSTRACT; GLYCOSURIA; GUANIDINES (therapeutic use, pharmacodynamics); HISTORICAL ARTICLE; HISTORY OF MEDICINE, 20TH CENT.; HUMAN; SULFONAMIDES (therapeutic use, adverse effects, pharmacodynamics).

[LETTER: RESTRICTION OF FAT OR CARBOHYDRATES IN REDUCING DIET] Mehner H *Med Klin* 70: 488, 14 Mar 75 (Ger)

ANIMAL EXPERIMENTS; DIET, REDUCING (methods); DIETARY CARBOHYDRATES; DIETARY FATS; HUMAN; OBESITY (diet therapy); RATS.

[BIOLOGICAL EFFECTS OF GROWTH-INDUCING SERUM PROTEINS ON ADIPOSE TISSUE] Renner R, Hepp KD, Mehner H, Voser J, Frank W *Verh Dtsch Ges Inn Med* 80: 1222-4, 1974 (Ger)

Meinders AE

MECHANISM OF HYPOGLYCAEMIA IN A PATIENT WITH MENINGEAL TUMOUR. Meinders AE, Smit EM, Cejka V, Braat MC *Neth J Med* 17: 227-33, 1974 (Eng)

AGED; COMPARATIVE STUDY; DIETARY CARBOHYDRATES (metabolism); FIBROSARCOMA (complications, pathology); HUMAN; HYPOGLYCAEMIA (etiology, metabolism); INSULIN (secretion); MALE; THORACIC NEOPLASMS (metabolism); UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Meinel U

[INCREASED INFORMATION GAINED THROUGH CONTRAST-STEERED FUNDUS PHOTOGRAPHS] Meinel U, Hogner W *Klin Monatsb Augenheilkd* 165: 887-91, Dec 74 (Ger)

ADULT; CHORIORETINITIS (diagnosis); CONTRAST MEDIA (administration & dosage); DIABETIC RETINOPATHY (diagnosis); ENGLISH ABSTRACT; FLUORESCENCE ANGIOGRAPHY (instrumentation); FUNDUS OCULI; HUMAN; MALE.

Mejean L

CONTROL OF DIABETIC PATIENTS: COMPARISON OF INFORMATION OBTAINED FROM FASTING BLOOD SUGAR LEVEL AND THE GLYCEMIC CYCLE. Mejean L, Drouin P, Martin JM, Debry G *Acta Diabetol Lat* 11: 340-6, Jul-Aug 74 (Eng)

BLOOD SUGAR; COMPARATIVE STUDY; COMPUTERS, DIGITAL; DIABETES MELLITUS (drug therapy, metabolism); FASTING; GLUCOSE (metabolism); HUMAN; HYPOGLYCEMIC AGENTS (therapeutic use); INSULIN (therapeutic use); MATHEMATICS.

Mejias MM

[NON-FUNCTIONING ADRENOCORTICAL CARCINOMA AND FOCAL CHRONIC PYELONEPHRITIS] Yanez AP, Fernandez CJ, Mejias MM, Rojas MT, Velasco FT, Cortina de Luna JL *Rev Clin Exp* 137: 565-70, 30 Jun 75 (Spa)

MELER H

CARRIER SOLUTIONS FOR LOW-LEVEL INTRAVENOUS INSULIN INFUSION. Kraegen EW, Lazarus L, Meler H, Campbell L, Chia YO *Med J* 3: 464-6, 23 Aug 75 (Eng)

Melnick RL

ACTION OF THE ADENOSINE TRIPHOSPHATE ANALOG, ADENYLYL IMIDODIPHOSPHATE IN MITOCHONDRIA. Melnick RL, De Sousa JT, Maguire J, Packer L *Arch Biochem Biophys* 166: 139-44, Jan 75 (Eng)

ADENINE NUCLEOTIDES (pharmacodynamics); ADENOSINE TRIPHOSPHATASE (antagonists & inhibitors); ADENOSINE TRIPHOSPHATE (analog & derivatives); ANIMAL EXPERIMENTS; ELECTRON TRANSPORT; IMIDES (pharmacodynamics); IN VITRO; KINETICS; MITOCHONDRIA, LIVER (metabolism, drug effects); OLIGOMYCIN (pharmacodynamics); OXIDATIVE PHOSPHORYLATION (drug effects); RATS.

Meloni CR

HYPOGLYCAEMIA: WHAT KIND OF PROBLEM IS IT? Meloni CR *Am Fam Physician* 12: 108-11, Oct 75 (Eng)

FASTING (adverse effects); HUMAN; HYPOGLYCAEMIA (diagnosis, etiology, therapy); ISLET CELL TUMOR (complications, diagnosis); PANCREATIC NEOPLASMS (complications, diagnosis).

Mendez J

SIMPLE MANUAL PROCEDURE FOR DETERMINATION OF SERUM TRIGLYCERIDES. Mendez J, Franklin B, Gahagan H *Clin Chem* 21: 768-70, May 75 (Eng)

ADOLESCENCE; ADULT; AUTOANALYSIS; COMPARATIVE STUDY; EVALUATION STUDIES; HUMAN; MALE; OBESITY (blood); QUALITY CONTROL; TRIGLYCERIDES (blood); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Mendiara S

ROLE OF URIDINE DIPHOSPHATE GLUCOSE IN THE BIOSYNTHESIS OF STARCH. MECHANISM OF FORMATION AND ENLARGEMENT OF A GLUCOPROTEIC ACCEPTOR. Lavintman N, Tandecar J, Carceller

M, Mendiara S, Cardini CE *Eur J Biochem* 50: 145-55, 16 Dec 74 (Eng)

Meng HC

PARENTERAL NUTRITION: PRINCIPLES, NUTRIENT REQUIREMENTS, AND TECHNIQUES. Meng HC *Geriatrics* 30: 97-102, 107, Sep 75 (Eng)

ALCOHOL, ETHYL; AMINO ACIDS (urine); CALCIUM (administration & dosage); CARBOHYDRATES; CATHETERIZATION; CHLORIDES (administration & dosage); FATS; GLYCOSURIA; HUMAN; IRON (administration & dosage); LIPIDS (blood); MAGNESIUM (administration & dosage); NUTRITIONAL REQUIREMENTS; PARENTERAL FEEDING; PARENTERAL HYPERALIMENTATION (adverse effects, methods); PHOSPHORUS (administration & dosage); POTASSIUM (administration & dosage); PROTEIN HYDROLYSATES (administration & dosage); PROTEINS; SODIUM (administration & dosage); TRACE ELEMENTS (administration & dosage); VITAMINS (administration & dosage); WATER (administration & dosage).

Merier G

[DIABETES MELLITUS AND ARTERIAL HYPERTENSION (AUTHORS TRANSL.)] Vermet A, Fabre J, Merier G *Praxis* 64: 583-8, 13 May 75 (Fre)

Merrill JD

HEMODIALYSIS-RELATED PROBLEMS IN PATIENTS WITH DIABETES MELLITUS. Kaissis SD, Yen MC, Lazarus M, Lowrie EG, Goldstein HH, Takacs FJ, Hampers CL, Merrill JD *Kidney Int [Suppl]* 100-7, Oct 74 (Eng)

Merrill JP

CARDIOVASCULAR DISEASE IN UREMIC PATIENTS ON HEMODIALYSIS. Lazarus JM, Lowrie EG, Hampers CL, Merrill JP *Kidney Int [Suppl]* 167-75, Jan 75 (Eng) [56]

Meschia G

PLACENTAL PRODUCTION AND FOETAL UTILISATION OF LACTATE AND PYRUVATE. Burd LI, Jones MD Jr, Simmons MA, Makowski EL, Meschia G, Battaglia FC *Nature* 254: 710-1, 24 Apr 75 (Eng)

Mescheryakova EN

THE ENNIATIN IONOPHORES. CONFORMATION AND ION BINDING PROPERTIES. Ovchinnikov YA, Ivanov VT, Evstratov AV, Mikhaleva II, Bystrov VF, Portnova SL, Balashova TA, Meshcheryakova EN, Tulchinsky VM *Int J Pept Protein Res* 6: 465-98, 1974 (Eng)

Metro J

IN VITRO METABOLISM OF PACKED ERYTHROCYTES STORED IN CPD-ADENINE. Bensinger TA, Metro J, Beutler E *Transfusion* 15: 135-9, Mar-Apr 75 (Eng)

THE EFFECT OF AGITATION ON IN VITRO METABOLISM OF ERYTHROCYTES STORED IN CPD-ADENINE. Bensinger TA, Metro J, Beutler E *Transfusion* 15: 140-3, Mar-Apr 75 (Eng)

Metzger BE

INTERRELATIONS OF GLUCOSE, INSULIN AND GLUCAGON AFTER OVERNIGHT FAST AND IN RESPONSE TO ORAL GLUCOSE DURING LATE PREGNANCY. Nitzan M, Freinkel N, Metzger BE, Unger RH, Faloona GR, Daniel RR *Isr J Med Sci* 11: 617-22, Jun 75 (Eng)

Meyers N

GLUCOSE UPTAKE IN THE BRAINSTEM OF THIAMINE-DEFICIENT RATS. Robertson DM, Manz HJ, Haas RA, Meyers N *Am J Pathol* 79: 107-18, Apr 75 (Eng)

Michael AF

NEUROPATHY, RETINOPATHY AND BIOPSY FINDINGS IN TRANSPLANTED KIDNEY IN DIABETIC PATIENTS. Barbosa J, Burke B, Buselmeier TJ, Carpenter AM, Goetz FC, Harris J, Kennedy WR, Kjellstrand CM, Michael AF, Najarian JS, Recker L *Kidney Int [Suppl]* 32-6, Oct 74 (Eng)

Michailov ML

[CHANGES IN THE COMPOSITION OF FREE FATTY ACIDS OF THE PLASMA OF RATS SUBMITTED TO DIFFERENT TYPES OF HYPERTENSION] Michailov ML *Biomedicine [Express]* 21: 393-7, 10 Oct 74 (Fre)

ANIMAL EXPERIMENTS; CAROTID SINUS; CHROMATOGRAPHY, GAS; COMPARATIVE STUDY, ENGLISH ABSTRACT; FATTY ACIDS (blood); FATTY ACIDS, UNSATURATED (blood); HYPERTENSION (blood, etiology); HYPERTENSION, RENAL (blood); LIPID MOBILIZATION; MALE; PRESSORECEPTORS; RATS; REFLEX; STRESS (complications).

Michin IV

[CARCINOMA OF THE ADRENAL CORTEX] Dzhurin DS, Michin IV, Popovich S, Manoilovich DL, Dzordzhevich P *Probl Endokrinol (Mosk)* 20: 51-6, May-Jun 74 (Rus)

Middleton B

3-HYDROXY-3-METHYLGLUTARYL-COA SYNTHASE FROM BAKERS YEAST. Middleton B, Tubbs PK *Methods Enzymol* 35: 173-7, 1975 (Eng)

ACETOACETATES; ALCOHOL, ETHYL; CHROMATOGRAPHY, DEAE-CELLULOSE; DRUG STABILITY; GEL FILTRATION; GLUTARATES; ISOELECTRIC FOCUSING; KETOACID-LYASES (isolation & purification, metabolism); KINETICS; METHODS; MOLECULAR WEIGHT; SACCHAROMYCES CEREVISIAE (enzymology).

Migeon CJ

CIRCADIAN VARIATION OF INTEGRATED CONCENTRATION OF GROWTH HORMONE IN CHILDREN AND ADULTS. Plotnick LP, Thompson RG, Kowarski A, de Lacerda L, Migeon CJ, Blizzard R *Nature* 253: 240-7, 13 Feb 75 (Eng)

Mikhaleva II

THE ENNIATIN IONOPHORES. CONFORMATION AND ION BINDING PROPERTIES. Ovchinnikov YA, Ivanov VT, Evstratov AV, Mikhaleva II, Bystrov VF, Portnova SL, Balashova TA, Meshcheryakova EN, Tulchinsky VM *Int J Pept Protein Res* 6: 465-98, 1974 (Eng)

Milenkov H

[CHANGES IN THE LIPOLYTIC ACTIVITY OF THE ARTERIAL WALL IN ALBINO RATS I. EFFECT OF ANIMAL AND VEGETABLE FATS] Mitkov D, Milenkov H *Folia Med (Plovdiv)* 10: 359-62, 1968 (Bul)

Milentijevic G

[PREDIABETIC STATE, DIABETES AND ARTERIOSCLEROSIS] Efendic S, Milentijevic G, Luft R *Srp Arh Celok Lek* 103: 249-55, Apr 75 (Ser)

Miller DS

DISTINCT COMPONENTS OF NEUTRAL AMINO ACID TRANSPORT IN CHICK SMALL INTESTINE. Miller DS, Burrill P, Lerner J *Comp Biochem Physiol [A]* 47: 767-77, 1 Feb 74 (Eng)

ALANINE (metabolism); AMINO ACIDS (metabolism, pharmacodynamics); AMINOISOBUTYRIC ACID (metabolism); ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT; CHICKENS; GLYCINE (metabolism, pharmacodynamics); INTESTINAL

ABSORPTION (drug effects); INTESTINE, SMALL (metabolism, drug effects); LEUCINE (pharmacodynamics); MALE; PROLINE (metabolism); TRYPTOPHAN (metabolism).

PROCEEDINGS: THE EFFECTS OF CAFFEINE AND CARNITINE ON THE OXYGEN CONSUMPTION OF FED AND FASTED SUBJECTS. Miller DS, Stock MJ, Stuart JA *Proc Nutr Soc* 33: 28a-29a, Sep 74 (Eng)

CAFFEINE (pharmacodynamics); CARNITINE (pharmacodynamics); DIET, REDUCING; DRUG SYNERGISM; ENERGY METABOLISM (drug effects); FASTING; FEMALE; HUMAN; NUTRITION; OXYGEN CONSUMPTION (drug effects).

Miller HI

MYOCARDIAL METABOLISM DURING PENTOBARBITAL ANESTHESIA IN DOGS. Durham BC, Miller HI *Anesthesiology* 42: 464-70, Apr 75 (Eng)

Miller IR

INTERACTION OF BASIC POLYPEPTIDES WITH PHOSPHOLIPID MONOLAYERS. Miller IR, Bach D *Chem Phys Lipids* 13: 453-65, Dec 74 (Eng)

ADSORPTION; CARBON RADIOISOTOPES; CHOLESTEROL; KINETICS; LECITHINS; LYSINE; MEMBRANES, ARTIFICIAL; MODELS, CHEMICAL; OSMOLAR CONCENTRATION; PEPTIDES; PHENYLALANINE; PHOSPHATIDYL SERINE; PHOSPHOLIPIDS; SERINE; SURFACE PROPERTIES.

Mills JB

ISOLATION AND BIOLOGICAL CHARACTERIZATION OF FRAGMENTS OF HUMAN GROWTH HORMONE PRODUCED BY DIGESTION WITH PLASMIN. Reagan CR, Mills JB, Kostyo JL, Wilhelm AE *Endocrinology* 96: 625-36, Mar 75 (Eng)

Mimura G

GENETIC CONTROL OF FATTY ACID METABOLISM, ESPECIALLY STUDY OF GENETIC CONTROL OF CHOLESTEROL. Mimura G *Jpn Circ J* 39: 303-9, Mar 75 (Eng)

ADOLESCENCE; ADULT; AGED; CHILD; CHOLESTEROL (blood); DISEASES IN TWINS; FEMALE; GENES; HUMAN; HYPERCHOLESTEREMIA (familial & genetic, complications); JAPAN; MALE; MIDDLE AGE; PEDIGREE; XANTHOMATOSIS (familial & genetic, complications).

Mimura N

MAINTENANCE PERITONEAL DIALYSIS AS AN ALTERNATIVE IN THE PATIENT WITH DIABETES MELLITUS AND END-STAGE UREMIA. Blumenkrantz MJ, Shapiro DJ, Mimura N, Greopoulos DG, Griedler RM, Levin S, Tenckhoff H, Coburn JW *Kidney Int [Suppl]* 108-14, Oct 74 (Eng)

Minamino M

[PROCEEDINGS: ROLE OF ACTIVE AMINES IN GROWTH HORMONE SECRETION: WITH SPECIAL REFERENCE TO INTERACTION OF VARIOUS AMINES] Nakai Y, Kurahachi H, Minamino M, Yoshimi T, Fukase M *Folia Endocrinol Jpn* 50: 279, 20 Feb 74 (Jpn)

Miras C

ERYTHROCYTE 2,3-DIPHOSPHOGLYCERATE AS RELATED TO DIABETES AND OBESITY. Kalofoutis A, Jullien G, Koutsellis A, Miras C *Clin Chem* 21: 1414-5, Sep 75 (Eng)

Mironski S

[VIRAL HEPATITIS AND DIABETES MELLITUS] Trunavskia B, Mironski S, Karovski K, Phasevski A, Petrovski K *God Zb Med Fak Skopje* 17: 407-13, 1971 (Ser)

Mirouze J

Mirouze J

[HYPERLIPEMIAS IN DIABETICS] Mirouze J, Carly ME *Cocur Med Interne* 13: 613-26, Oct-Dec 74 (Fre)
ADULT; CARDIOVASCULAR DISEASES (etiology); DIABETES MELLITUS (blood, drug therapy); ENGLISH ABSTRACT; FEMALE; HUMAN; HYPERLIPIDEMIA (etiology, drug therapy); HYPOGLYCEMIC AGENTS (therapeutic use); MALE; MIDDLE AGE; SULFONAMIDES (therapeutic use).

Mitidieri E

INFLUENCE OF NUTRITIONAL CHANGES ON LIPOPROTEIN LIPASE ACTIVITY. II: THE EFFECT OF HIGH FAT INTAKE ON LEVELS OF ENZYME OF RAT ADIPOSE TISSUE. Ribeiro LP, Schettino CM, Affonso OR, Mitidieri E *Rev Bras Biol* 31: 219-23, Jun 71 (Eng)

Mitkov D

[CHANGES IN THE LIPOLYTIC ACTIVITY OF THE ARTERIAL WALL IN ALBINO RATS I. EFFECT OF ANIMAL AND VEGETABLE FATS] Mitkov D, Milenkov H *Folia Med (Plovdiv)* 10: 359-62, 1968 (Bul)
ANIMAL EXPERIMENTS; ARTERIES (metabolism); DIETARY FATS (metabolism); ENGLISH ABSTRACT; LIPIDS (metabolism); RATS.

Mitzkat HJ

[PERIPHERAL ARTERIAL DISEASE AND DIABETES MELLITUS (AUTHORS TRANSL.)] Jarosch-von Schweder W, Huchzermeyer H, Alexander K, Mitzkat HJ *Dtsch Med Wochenschr* 100: 1827-32, 12 Sep 75 (Ger)

Miyai K

[PROCEEDINGS: ACTION OF RELEASING HORMONES ON VARIOUS ANTERIOR PITUITARY HORMONE SECRETION: ACROMEGALY] Miyai K, Onishi T, Hashimoto T, Sawazaki N, Hosokawa M *Folia Endocrinol Jpn* 50: 275, 20 Feb 74 (Jpn)
ACROMEGALY (blood); HUMAN; PITUITARY HORMONE RELEASING HORMONES (pharmacodynamics); PITUITARY HORMONES, ANTERIOR (secretion).

Miyata M

[PROCEEDINGS: EVALUATION OF CARBOHYDRATE METABOLISM OF PATIENTS FOLLOWING PANCREATODUODENECTOMY] Miyata M, Takao T, Sadami M, Manabe H, Uozumi T *Folia Endocrinol Jpn* 50: 206, 20 Feb 74 (Jpn)

ADULT; CARBOHYDRATES (metabolism); DUODENUM (surgery); FEMALE; HUMAN; MALE; MIDDLE AGE; PANCREATICTOMY.

Miyazaki R

[PROCEEDINGS: ONE NIGHT SLEEP DEPRIVATION IN DEPRESSION AND CIRCADIAN RHYTHM IN BLOOD CORTISOL LEVEL] Yamaguchi N, Maeda K, Yoshimoto N, Sakamoto N, Miyazaki R *Folia Endocrinol Jpn* 50: 333, 20 Feb 74 (Jpn)

Miyoshi F

[STUDIES ON HYPOLIPIDEMIC AGENTS. IV. SYNTHESIS AND HYPOLIPIDEMIC ACTIVITIES OF 4-SUBSTITUTED PHENOXYISOBUTYRIC ACID DERIVATIVES (AUTHORS TRANSL.)] Miyoshi F, Fukami H, Sako Y *J Pharm Soc Jpn* 94: 1061-9, Sep 74 (Jpn)
ANIMAL EXPERIMENTS; ANTILIPEMIC AGENTS (chemical synthesis, pharmacodynamics); BUTYRATES (chemical synthesis, pharmacodynamics); CHLOROBENZENES (chemical synthesis, pharmacodynamics); CHOLESTEROL (blood); CLOFIBRATE (analysis); ENGLISH ABSTRACT; MALE; PHENYL ETHERS (chemical synthesis); RATS.

Diabetes Literature—Author Index

Miyoshi M

[PROCEEDINGS: HUMAN PROLACTIN SECRETION DYNAMICS IN VARIOUS ENDOCRINE DISEASES] Ogawa N, Miyoshi M, Hanabusa M, Yokoyama H, Furuno K *Folia Endocrinol Jpn* 50: 296, 20 Feb 74 (Jpn)

[PROCEEDINGS: RESPONSES OF PLASMA ACTH, GH, LH, FSH, TSH AND PROLACTIN IN CUSHINGS SYNDROME] Hashimoto K, Asaoka K, Mori M, Yokoyama M, Miyoshi M *Folia Endocrinol Jpn* 50: 537, 20 Feb 74 (Jpn)

Moinade S

[SURVEILLANCE OF THE DIABETIC] Moinade S, Eskenazi F *Sem Hop Ther* 51: 37-40, Jan 75 (Fre)
DIABETES MELLITUS (therapy); DIABETIC DIET; DIET, REDUCING; HUMAN; HYPOGLYCEMIC AGENTS (therapeutic use); OBESITY IN DIABETES (therapy).

Mokler CM

SUBCELLULAR DISTRIBUTION AND INCORPORATION OF PALMITATE-U-14C INTO MYOCARDIAL LIPIDS: ROLE OF ENDOGENOUS AND EXOGENOUS CATECHOLAMINES. Mathur PP, Mokler CM *J Mol Cell Cardiol* 7: 17-26, Jan 75 (Eng)

Molenaar I

MUSCULAR CAPILLARY BASEMENT MEMBRANE HYPERTROPHY IN HYPERLIPIDEMIA TYPE IV: A REVERSIBLE CONSEQUENCE OF A METABOLIC DISORDER De Vries O, Vos J, Reitsma WD, Doorenbos H, Molenaar I *Neth J Med* 17: 220-6, 1974 (Eng)

Moller BB

LACTIC ACIDOSIS IN EPINEPHRINE POISONING. Kolendorf K, Moller BB *Acta Med Scand* 196: 465-6, Dec 74 (Eng)

Monacelli R

EFFECTS OF ALLOXAN DIABETES AND INSULIN ON MORPHOLOGY AND CERTAIN FUNCTIONAL ACTIVITIES OF MITOCHONDRIA OF THE RAT LIVER AND HEART. Marinari UM, Monacelli R, Cottalasso D, Novelli A *Acta Diabetol Lat* 11: 296-314, Jul-Aug 74 (Eng)

Moody AJ

[PANCREATIC TRANSPLANTATION: ENDOCRINE FUNCTION OF THE GRAFTED PANCREAS. CURRENT DATA AND FUTURE PROSPECTS] Eloy R, Jaek D, Schang JC, Van-nareth T, Gillet M, Grenier JF, Moody AJ *Ann Chir* 29: 559-69, Jun 75 (Fre)

Moore S

REPEATED ENDOTHELIAL INJURY AND INDUCTION OF ATHEROSCLEROSIS IN NORMOLIPIDEMIC RABBITS BY HUMAN SERUM. Friedman RJ, Moore S, Singal DP *Lab Invest* 32: 404-15, Mar 75 (Eng)

Moraru I

[POLYGENIC (MULTIFACTORIAL) HEREDITY AND INTERPRETATION OF THE GENETIC COMPONENT IN COMMON DISEASES] Moraru I, Antohi S, Imbroane L *Stud Cercet Med Intern* 14: 3-5, 1973 (Rum)
ABNORMALITIES (familial & genetic); CORONARY DISEASE (familial & genetic); DIABETES MELLITUS (familial & genetic); ENGLISH ABSTRACT; EPILEPSY (familial & genetic); HEREDITARY DISEASES; HUMAN; HYPERTENSION (familial & genetic); SCHIZOPHRENIA (familial & genetic).

Moras D

THREE-DIMENSIONAL STRUCTURE OF D-GLYCERALDEHYDE-3-PHOSPHATE DEHYDROGENASE. Buehner M, Ford GC, Olsen KW, Moras D, Rossman MG *J Mol Biol* 90: 25-49, 25 Nov 74 (Eng)

Moreau D

[INFLUENCE OF ADDITION OF THE FREE FATTY ACIDS TO THE PERFUSATE ON THE FUNCTION OF ISOLATED RAT HEART] Didier JP, Klepping J, Boucrot P, Moreau D, Noirot P, Bastien H *C R Soc Biol (Paris)* 168: 504-9, 1974 (Fre)

Moreno RD

HORMONE ACTION AND MEMBRANE FLUIDITY: EFFECT OF INSULIN AND CORTISOL ON THE HILL COEFFICIENTS OF RAT ERYTHROCYTE MEMBRANE-BOUND ACETYLCHOLINESTERASE AND (NA⁺ & K⁺)-ATPASE. Massa EM, Moreno RD, Bloj B, Farias RN *Biochem Biophys Res Commun* 66: 115-22, 2 Sep 75 (Eng)

Morgan JI

REQUIREMENTS FOR DIVALENT CATIONS BY HORMONAL MITOGENS AND THEIR INTERACTIONS WITH SEX STEROIDS. Morgan JI, Hall AK, Perris AD *Biochem Biophys Res Commun* 66: 188-94, 2 Sep 75 (Eng)
ACETYLCHOLINE (pharmacodynamics); ANIMAL; CALCIUM (pharmacodynamics); CATIONS, DIVALENT; CELL DIVISION (drug effects); DOPAMINE (pharmacodynamics); ESTRADIOL (pharmacodynamics); GLUCAGON (pharmacodynamics); HISTAMINE (pharmacodynamics); HORMONES (pharmacodynamics); INSULIN (pharmacodynamics); ISOPROTERENOL (pharmacodynamics); MAGNESIUM (pharmacodynamics); MITOGENS (pharmacodynamics); PARATHYROID HORMONE (pharmacodynamics); T-LYMPHOCYTES (physiology, drug effects); TESTOSTERONE (pharmacodynamics).

Mori K

[COMPARISON OF INSULIN REACTIONS IN VARIOUS DISEASES TO GLUCOSE, ARGinine, AND GLUCAGON] Taminato A, Inoue Y, Mori K, Goto K, Kurahachi H *Clin Endocrinol (Tokyo)* 23: 373-9, Apr 75 (Jpn)

Mori M

[PROCEEDINGS: RESPONSES OF PLASMA ACTH, GH, LH, FSH, TSH AND PROLACTIN IN CUSHINGS SYNDROME] Hashimoto K, Asaoka K, Mori M, Yokoyama M, Miyoshi M *Folia Endocrinol Jpn* 50: 537, 20 Feb 74 (Jpn)

Moriya K

[RESPONSES TO EXOGENOUS NOREPINEPHRINE IN RATS REARED IN COLD FOR SUCCESSIVE GENERATIONS, WITH SPECIAL REFERENCE TO CHANGES IN METABOLITES IN THE BLOOD (AUTHORS TRANSL.)] Moriya K, Maekubo H, Ito S *Hokkaido J Med Sci* 49: 98-102, Mar 74 (Jpn)

ACCLIMATIZATION; ANIMAL EXPERIMENTS; BLOOD SUGAR (analysis); BODY TEMPERATURE (drug effects); COLD; ENGLISH ABSTRACT; FATTY ACIDS, NONESTERIFIED (blood); HYDROXYBUTYRATES (blood); INJECTIONS, INTRAVENOUS; LACTATES (blood); MALE; NOREPINEPHRINE (pharmacodynamics, administration & dosage); RATS; TIME FACTORS.

Morrison ES

UPTAKE, OXIDATION, AND ESTERIFICATION OF FREE FATTY ACIDS IN NORMAL AND ATHEROSCLEROTIC RABBIT AORTA. Morrison ES, Scott RF, Kroms M, Frick J *Biochem Med* 11: 153-64, Oct 74 (Eng)
ANIMAL EXPERIMENTS; AORTA (metabolism); ARTERIOSCLEROSIS (metabolism); ATHEROSCLEROSIS (metabolism, chemically induced); BIOLOGICAL TRANSPORT; CARBON RADIOISOTOPES;

CHOLESTEROL, DIETARY;
CHROMATOGRAPHY, THIN LAYER;
COMPARATIVE STUDY; DIETARY FATS;
FATTY ACIDS, NONESTERIFIED (metabolism);
IN VITRO; MALE; OILS; PALMITIC ACIDS
(metabolism); RABBITS; TIME FACTORS.

Morton RA

THE VITAMIN CONCEPT. Morton RA *Vitam Horm* 32: 155-66, 1974 (Eng) [70]
ANIMAL EXPERIMENTS; ASCORBIC ACID
(pharmacodynamics); CAROTENE
(pharmacodynamics); FATTY ACIDS,
ESSENTIAL (pharmacodynamics); FEMALE;
HUMAN; LINGUISTICS; MALE; NUTRITION;
PROSTAGLANDINS (pharmacodynamics);
RETINAL PIGMENTS (biosynthesis); REVIEW;
STEROLS (pharmacodynamics); TERPENES
(pharmacodynamics); UBIQUINONE
(pharmacodynamics); VITAMIN A
(pharmacodynamics); VITAMIN D
(pharmacodynamics); VITAMIN E
(pharmacodynamics); VITAMIN K
(pharmacodynamics); VITAMINS
(pharmacodynamics).

Moses AM

EFFECT OF CHLORPROPAMIDE ON RENAL
RESPONSE TO PARATHYROID HORMONE
IN NORMAL SUBJECTS AND IN PATIENTS
WITH HYPOPARATHYROIDISM AND PSEU-
DOHYPOPARATHYROIDISM. Coulson R,
Moses AM *J Pharmacol Exp Ther* 194: 603-13,
Sep 75 (Eng)

Mraz P

INTRA-AXONAL TRANSPORT OF
NORADRENALINE: INHIBITION BY
FLUORIDE. Mraz P *Folia Morphol (Praha)* 22:
276-7, 1974 (Eng)

ANIMAL EXPERIMENTS; AXONS (metabolism,
ultrastructure); BIOLOGICAL TRANSPORT;
CATS; FLUORIDES (pharmacodynamics);
MICROSCOPY, ELECTRON;
NOREPINEPHRINE (antagonists & inhibitors,
metabolism).

Mroszczyk M

[LIVER BIOPSY IN DIABETICS] Preszczynski M,
Torzecki Z, Torzecka W, Mroszczyk M *Pol Tyg Lek* 30: 1355-6, 18 Aug 75 (Pol)

Mrsulja BB

REGIONAL DISTRIBUTION OF ADENINE
NUCLEOTIDES, GLYCOGEN, GLUCOSE
AND LACTATE IN THE ADULT RAT BRAIN.
Zivkoic RV, Mrsulja BB, Djuricic BM *Experientia* 31: 404-6, 15 Apr 75 (Eng)

Mukherjee C

REGULATION OF PYRUVATE
DEHYDROGENASE IN ISOLATED RAT
LIVER MITOCHONDRIA. EFFECTS OF OC-
TANOATE, OXIDATION-REDUCTION
STATE, AND ADENOSINE TRIPHOSPHATE
TO ADENOSINE DIPHOSPHATE RATIO.
Taylor SI, Mukherjee C, Jungas RL *J Biol Chem*
250: 28-35, 25 Mar 75 (Eng)

Muller D

THE CALORIGENIC ACTION OF
NOREPINEPHRINE IN RATS AFTER
HYPOPHYSECTOMY. Muller D, Kersten L,
Ankermann H *Experientia* 31: 343-4, 15 Mar 75
(Eng)
AGING; ANIMAL EXPERIMENTS; CARBON
DIOXIDE (metabolism); HYPOPHYSECTOMY;
NOREPINEPHRINE (pharmacodynamics);
OXYGEN CONSUMPTION (drug effects);
PITUITARY GLAND (physiology); RATS;
SOMATOTROPIN (physiology); STIMULATION,
CHEMICAL.

Muller EE

HYPORESPONSIVENESS TO GLUCOPRIVA-
TION DURING POSTNATAL PERIOD IN THE
RAT. Gil-Ad I, Udeschini G, Cocchi D, Muller
EE *Am J Physiol* 229: 512-7, Aug 75 (Eng)

Muller G

[THE SIZE OF CHORIONIC VILLI IN THE
PLACENTA OF DIABETICS (AUTHORS
TRANSL)] Emmrich P, Muller G *Zentralbl Allg Pathol* 118: 504-9, 1974 (Ger)

Muller-Jensen A

[CLINICO-NEUROLOGIC AND ELECTROMYO-
GRAPHIC STUDIES OF PATIENTS WITH INI-
TIAL ISOLATED PIGMENTARY
RETINOPATHY] Muller-Jensen A, Eickhoff W,
Hellner KA *Ophthalmologica* 170: 505-17, 1975
(Ger)
ADOLESCENCE; ADULT; AGED; CHILD;
CHILD, PRESCHOOL; DIABETES MELLITUS
(complications);
ELECTROENCEPHALOGRAPHY;
ELECTROMYOGRAPHY, FEMALE; HEARING
DISORDERS (complications); HUMAN;
HYPERLIPIDEMIA (complications); MALE;
MIDDLE AGE; RETINITIS PIGMENTOSA
(diagnosis, physiopathology, complications); URIC
ACID (blood).

Munemura M

[PROCEEDINGS: SOMATOTROPIN-RELEASE
INHIBITING FACTOR] Kaneko T, Oka H, Mu-
nemura M, Oda T, Yamashita K *Folia Endocrinol Jpn* 50: 270, 20 Feb 74 (Jpn)

Murachi T

[PROCEEDINGS: AGE RELATED CHANGES OF
THE PANCREATIC LANGERHANS ISLAND.
5] Endo T, Ichikawa I, Hannya H, Murachi T
Folia Endocrinol Jpn 50: 235, 20 Feb 74 (Jpn)

Musil HA

[PLASMA NORADRENALINE AND
ADRENALINE, PLASMA RENIN ACTIVITY
AND CYCLIC AMP DURING REST PERIOD
AND ORTHOSTATIS IN VARIOUS TYPES OF
HYPERTENSION] Brecht HM, Musil HA,
Vlachoyannis J, Schoeppe W *Verh Dtsch Ges Inn Med* 80: 245-8, 1974 (Ger)

Myers MW

THE EFFECTS OF LOW CONCENTRATIONS
OF 2-DEOXY-D-GLUCOSE ON THE
GROWTH, SURFACE ARCHITECTURE, AND
GLYCOPROTEIN METABOLISM OF P388
LYMPHOMA CELLS. Myers MW, Sartorelli
AC *Biochem Biophys Res Commun* 63: 164-71, 3
Mar 75 (Eng)

ADENOSINE TRIPHOSPHATE (metabolism);
CELL AGGREGATION (drug effects); CELL
DIVISION (drug effects); CELL LINE;
CONCAVALIN A (pharmacodynamics);
DEOXY SUGARS (pharmacodynamics);
DEOXYGLUCOSE (pharmacodynamics,
metabolism); FUCOSE (metabolism, analysis);
GLUCOSAMINE (metabolism);
GLYCOPROTEINS (metabolism); LYMPHOMA
(metabolism); MICE; PLANT AGGLUTININS
(pharmacodynamics); SIALIC ACIDS (analysis);
TIME FACTORS; UNITED STATES
GOVERNMENT SUPPORTED, N.I.H..

Mysliwiec M

THE BEHAVIOUR OF THE PLATELET-LEUKO-
CYTE AGGREGATION IN THROMBOTIC
CONDITIONS. Bielawiec M, Kiernowska-
Rogowska B, Mysliwiec M, Perzanowski A *Folia Haematol (Leipzig)* 102: 220-9, 1975 (Eng)

Nabusa K

[PROCEEDINGS: BIOLOGICAL ACTION OF
GROWTH HORMONE SECRETION INHIBIT-
ING FACTOR] Oshima K, Nabusa K, Isobe J,
Saito S, Nagao T *Folia Endocrinol Jpn* 50: 272,
20 Feb 74 (Jpn)

Nadeau A

[HYPOTHALAMIC ANOMALIES WITH
HYPERINSULINISM ASSOCIATED WITH A
CYST OF THE 3D VENTRICLE] Lelievre M,
Szots F, Nadeau A *Union Med Can* 104: 422-7,
Mar 75 (Fre)

Naeije R

LETTER: SMALL INTRAVENOUS INSULIN BO-
LUSES IN THE TREATMENT OF DIABETIC
COMA. Clumeck N, Detroyer A, Naeije R, Ec-
tors M, Balasse EO *Lancet* 2: 416, 30 Aug 75
(Eng)

Naftalin RJ

GALACTOSE TRANSPORT ACROSS THE
SEROSAL BORDER OF RABBIT ILEUM AND
ITS ROLE IN INTRACELLULAR ACCUMU-
LATION. Holman GD, Naftalin RJ *Biochim Biophys Acta* 382: 230-45, 13 Mar 75 (Eng)

Nagano M

[METHOD FOR THE ISOLATION OF HUMAN
GLOMERULAR BASEMENT MEMBRANE
(AUTHORS TRANSL)] Nagano M, Kawamura
M, Kawanishi M, Suzuki A *Res Exp Med (Berl)*
165: 191-7, 24 Sep 75 (Ger)

BASEMENT MEMBRANE (cytology); CELL
FRACTIONATION; CELL-FREE SYSTEM;
DIABETES MELLITUS (pathology);
ENDOTHELIUM; ENGLISH ABSTRACT;
EPITHELIAL CELLS; HUMAN; KIDNEY
GLOMERULUS (cytology, ultrastructure,
pathology); METHODS.

Nagao T

[PROCEEDINGS: BIOLOGICAL ACTION OF
GROWTH HORMONE SECRETION INHIBIT-
ING FACTOR] Oshima K, Nabusa K, Isobe J,
Saito S, Nagao T *Folia Endocrinol Jpn* 50: 272,
20 Feb 74 (Jpn)

Nagashima M

[PROCEEDINGS: ENERGY HOMEOSTASIS. 4.
METABOLIC CHANGES AT EPINEPHRINE
LOADING IN PATIENTS WITH INSU-
LINOMA] Sakamoto N, Hotta A, Yoshida M,
Sato S, Nagashima M *Folia Endocrinol Jpn* 50:
543, 20 Feb 74 (Jpn)

Nagayama A

[STRUCTURE AND FUNCTION OF MICROTUBU-
LES (AUTHORS TRANSL)] Nagayama A
Protein Nucleic Acid Enzyme (Tokyo) 19: 1108-
20, Nov 74 (Jpn) [123]
ADENOSINE TRIPHOSPHATASE (metabolism);
ANIMAL EXPERIMENTS; HUMAN;
MICROSCOPY, ELECTRON; MICROTUBULES
(physiology, ultrastructure); REVIEW.

Nahrwold ML

THE MITOCHONDRION AND BIOLOGIC OX-
IDATIONS. Nahrwold ML, Cohen PJ *Clin Anesth* 11: 1-23, 1975 (Eng) [73]
ADENOSINE DIPHOSPHATE (metabolism);
ADENOSINE TRIPHOSPHATE (metabolism);
AMINO ACIDS (metabolism); ANIMAL
EXPERIMENTS; CYTOCHROMES
(metabolism); CYTOSOL (metabolism);
ELECTRON TRANSPORT; ENERGY
TRANSFER; FATTY ACIDS (metabolism);
GLYCOLYSIS; HEXOSEPHOSPHATES
(metabolism); KREBS CYCLE; MEMBRANES
(metabolism); METHODS; MICROSCOPY,
ELECTRON; MITOCHONDRIA (metabolism,
ultrastructure); MODELS, BIOLOGICAL; NAD
(metabolism); OXIDATION-REDUCTION;
OXIDATIVE PHOSPHORYLATION; OXYGEN
CONSUMPTION; REVIEW; UNITED STATES
GOVERNMENT SUPPORTED, NON-N.I.H..

Naito C

[PROCEEDINGS: EFFECT OF 2-DEOXY-D-
GLUCOSE ON FOOD UPTAKE AND BODY
WEIGHT INCREASE IN RATS] Naito C, Okada
T *Folia Endocrinol Jpn* 50: 646, 20 Feb 74 (Jpn)

Diabetes Literature—Author Index

Najarjan JS

ANIMAL EXPERIMENTS; BODY WEIGHT (drug effects); DEOXY SUGARS (pharmacodynamics); DEOXYGLUCOSE (pharmacodynamics); EATING (drug effects); MALE; RATS.
[PROCEEDINGS: MECHANISM OF RELEASE OF LIPOLYTIC PRODUCTS (FFA AND FG) FROM FAT CELLS] Naito C, Okada T *Folia Endocrinol Jpn* 50: 653, 20 Feb 74 (Jpn)
ADIPOSE TISSUE (cytology); ANIMAL EXPERIMENTS; FATTY ACIDS, NONESTERIFIED (metabolism); GLYCERIN (metabolism); HUMAN; IN VITRO; RATS.

Najarjan JS

SURGICAL ASPECTS OF TRANSPLANTATION IN DIABETIC PATIENTS. Simmons RL, Kjellstrand CM, Kyriakides GK, Rattazzi LC, Spanos PK, Casali R, Najarjan JS *Kidney Int [Suppl]* 129-32, Oct 74 (Eng)

RENAL TRANSPLANTATION IN INSULIN-DEPENDENT DIABETIC PATIENTS. Kjellstrand CM, Shideman JR, Simmons RL, Buselmeier TJ, von Haritzsch B, Goetz FC, Najarjan JS *Kidney Int [Suppl]* 15-20, Oct 74 (Eng)

NEUROPATHY, RETINOPATHY AND BIOPSY FINDINGS IN TRANSPLANTED KIDNEY IN DIABETIC PATIENTS. Barbosa J, Burke B, Buselmeier TJ, Carpenter AM, Goetz FC, Harris J, Kennedy WR, Kjellstrand CM, Michael AF, Najarjan JS, Recker L *Kidney Int [Suppl]* 32-6, Oct 74 (Eng)

Najera Mortes J

[CONTRIBUTION TO A STUDY OF A NEW LIPOLYTIC AND ANORECTIC DRUG: FENPROPOREX (AUTHORS TRANSL.) Najera Mortes J *Folia Clin Int (Barc)* 23: 134-51, Feb 73 (Spa)

ADIPOSE TISSUE (metabolism); ADOLESCENCE; ADULT; AGED; AMPHETAMINE (analogs & derivatives, therapeutic use); APPETITE DEPRESSANTS (therapeutic use); CHILD; DIET, REDUCING; DIURETICS (therapeutic use); FATTY ACIDS, NONESTERIFIED (blood); FEMALE; HUMAN; LIPID MOBILIZATION (drug effects); LIPIDS (metabolism); MALE; MIDDLE AGE; NITRILES (therapeutic use); OBESITY (therapy, etiology, metabolism); VITAMINS (therapeutic use).

Nakagawa M

[PROCEEDINGS: PITUITARY HORMONE RESPONSE TO SERIAL INJECTIONS OF RELEASING HORMONE. 2] Nakagawa M *Folia Endocrinol Jpn* 50: 101, 20 Feb 74 (Jpn)

ANIMAL EXPERIMENTS; HUMAN; INJECTIONS; PITUITARY HORMONE RELEASING HORMONES (administration & dosage, pharmacodynamics); PITUITARY HORMONES (secretion); PROLACTIN (secretion); RATS.

Nakai Y

[PROCEEDINGS: ROLE OF ACTIVE AMINES IN GROWTH HORMONE SECRETION; WITH SPECIAL REFERENCE TO INTERACTION OF VARIOUS AMINES] Nakai Y, Kurahachi H, Minamoto M, Yoshimi T, Fukase M *Folia Endocrinol Jpn* 50: 279, 20 Feb 74 (Jpn)

BIOGENIC AMINES (physiology); HUMAN; SOMATOTROPIN (secretion).

Nakamura K

[LIPID-LOWERING EFFECT OF D,L-ALPHA-METHYL THYROXINE ETHYL ESTER (CG-635) AND ITS INFLUENCE ON BASAL METABOLIC RATE, HEART AND THYROID GLAND] Kuwashima J, Tsutomi T, Fujitani B, Ishikawa K, Nakamura K *J Pharm Soc Jpn* 94: 1541-9, Dec 74 (Jpn)

Nakanishi T

AN ELECTRO-OCULOGRAPHIC STUDY OF OCULAR BOBBING AND INTERMITTENT VERTICAL OSCILLATIONS OCCURRING IN THE SAME PATIENT. Nakanishi T, Inoue K, Shimada Y, Toyokura Y *J Neurol* 210: 161-6, 22 Sep 75 (Eng)

CEREBROVASCULAR DISORDERS (physiopathology); DIABETES MELLITUS (physiopathology); ELECTROOCULOGRAPHY; EYE MOVEMENTS; HUMAN; HYPERTENSION (physiopathology); MALE; MIDDLE AGE; OCULOMOTOR NERVE (physiopathology).

Naranjo F

[CLINICAL STUDY OF A NEW SYNTHETIC STEROID IN THE TREATMENT OF BRONCHIAL ASTHMA] Pacheco CR, Valdez-Ochoa S, Naranjo F, Alvarez H, Aguilar M, Saavedra M *Gac Med Mex* 104: 313-9, Oct 72 (Spa)

Navarro J

ACUTE RENAL INSUFFICIENCY IN THE RABBIT BY GLYCEROL. Gras J, Tuset N, de Vega F, Cisar F, Navarro J, del Valle O *Rev Esp Fisiol* 31: 1-3, Mar 75 (Eng)

Nayeemunnisa

NEUROCHEMICAL CORRELATES OF ALLOXAN DIABETES: I. RIBONUCLEIC ACID AND PROTEIN LEVELS OF AMPHIBIAN BRAIN. Nayeemunnisa *Experientia* 31: 942-3, 15 Aug 75 (Eng)

ALLOXAN DIABETES (metabolism); ALLOXAN (pharmacodynamics); ANIMAL; BLOOD SUGAR (analysis); BRAIN (metabolism, anatomy & histology, drug effects); ORGAN WEIGHT; PROTEINS (metabolism); RANA; RNA (metabolism); STIMULATION, CHEMICAL; TIME FACTORS.

Nazarenko VI

[INTERACTION OF NA⁺ & K⁺-ATPASE WITH OUBAIN] Nazarenko VI *Ukr Biokhim Zh* 46: 531-43, Jul-Aug 74 (Rus) [97]

ADENOSINE TRIPHOSPHATASE (metabolism, antagonists & inhibitors); ANIMAL EXPERIMENTS; BINDING, COMPETITIVE; CARDIAC GLYCOSIDES (metabolism); CATIONS, MONOVALENT; CELL MEMBRANE (metabolism); DRUG INTERACTIONS; ELECTRON TRANSPORT; ENGLISH ABSTRACT; ENZYME REPRESSION (drug effects); GLYCOSIDES (metabolism); HYDROLYSIS; KINETICS; MICROSOMES (enzymology); MOLECULAR CONFORMATION; OUBAIN (pharmacodynamics); OXIDATIVE PHOSPHORYLATION (drug effects); PHOSPHATES (metabolism); POTASSIUM (metabolism); RECEPTORS, DRUG; REVIEW; SODIUM (metabolism); SPECIES SPECIFICITY; STRUCTURE-ACTIVITY RELATIONSHIP.

Nazir DJ

EFFECT OF CHOLESTYRAMINE ON TISSUE POOLS OF CHOLESTEROL: A PRELIMINARY REPORT. Kudchodkar BJ, Sodhi HS, Horlick L, Nazir DJ *Proc Soc Exp Biol Med* 148: 393-6, Feb 75 (Eng)

Nechaev IA

[ROLE OF HOMEOSTASIS IN ANIMAL RADIOSENSITIVITY] Gravskaia BM, Nechaev IA, Zolotareva NN *Zh Obshch Biol* 36: 135-41, Jan-Feb 1975 (Rus)

Necic S

[OUR EXPERIENCE WITH THE TUBERCULOUS INFECTION IN CHILDREN] Jokanovic R, Niketic M, Necic S *Srp Arh Celok Lek* 102: 866-73, Dec 74 (Ser)

Neilson JM

CONTROL OF VENTRICULAR ARRHYTHMIAS DURING MYOCARDIAL INFARCTION BY ANTILIPOLYTIC TREATMENT USING A NICOTINIC-ACID ANALOGUE. Rowe MJ, Neilson JM, Oliver MF *Lancet* 1: 295-300, 8 Feb 75 (Eng)

Nelius D

[CHANGES IN ANTICOAGULANT TOLERANCE. II. EFFECTS OF CARDIAC INSUFFICIENCY AND DRUGS ADMINISTERED FOR ITS THERAPY] Nelius D *Z Alternforsch* 28: 363-7, 1974 (Ger)

ANTI-ARRHYTHMIA AGENTS (administration & dosage); ANTICOAGULANTS (administration & dosage, therapeutic use); ANTHYPERTENSIVE AGENTS (administration & dosage); ANTILIPEMIC AGENTS (administration & dosage); DIURETICS (administration & dosage); DRUG INTERACTIONS; DRUG TOLERANCE; HEART FAILURE, CONGESTIVE (drug therapy); HUMAN; INTESTINAL ABSORPTION; TOLBUTAMIDE (administration & dosage); VITAMIN K DEFICIENCY (complications); VITAMIN K (metabolism).

Nelson V

INHIBITION OF GROWTH HORMONE AND THYROTROPIN RELEASE BY GROWTH HORMONE-RELEASE INHIBITING HORMONE. Belanger A, Labrie F, Borgeat P, Savary M, Cote J, Drouin J, Schally AV, Coy DH, Coy EJ, Stanek J, Nelson V, Gotz M, Immer H *Mol Cell Endocrinol* 1: 329-39, Oct 74 (Eng)

Ness GW

EXERCISE AND FAT CELLS IN THE RAT. Gardiner PF, Ness GW, Secord DC, Taylor AW *Rev Can Biol* 33: 295-300, Dec 74 (Eng)

Neuzil E

[ALCOHOL METABOLISM. CURRENT BIOCHEMICAL ASPECTS] Neuzil E, Bousquet F *Sem Hop Ther* 51 suppl: 29-42, Jan 75 (Fre)
ACETYL COENZYME A (metabolism); ALCOHOL OXIDOREDUCTASES (metabolism); ALCOHOL, ETHYL (metabolism, pharmacodynamics); ANIMAL; BIOGENIC AMINES (metabolism); BIOTRANSFORMATION; CATALASE (metabolism); HUMAN; HYPOGLYCEMIA (chemically induced); KREBS CYCLE (drug effects); LACTATES (blood); LIPIDS (metabolism); METABOLISM (drug effects); MICROSOMES, LIVER (enzymology); MITOCHONDRIA, LIVER (metabolism); NAD (metabolism); RATS.

Neville DM Jr

RADIORECEPTOR ASSAY OF INSULIN: COMPARISON OF PLASMA AND PANCREATIC INSULINS AND PROINSULINS. Gavin JR 3d, Kahn CR, Gorden P, Roth J, Neville DM Jr *J Clin Endocrinol Metab* 41: 438-45, Sep 75 (Eng)

INSULIN RECEPTOR DEFICIENCY IN GENETIC AND ACQUIRED OBESITY. Soli AH, Kahn CR, Neville DM Jr, Roth J *J Clin Invest* 56: 769-80, Oct 75 (Eng)

Nezelof C

[HISTOCYTOSIS-X. HISTOCHEMICAL AND AUTORADIOGRAPHIC ELEMENTS PROVING LIPID SYNTHESIS IN VITRO CULTURE] Nezelof C, Despres S, Barbey S, Rousseau MF *Biomedicine* 20: 414-24, Nov 74 (Fre)
ACETATES (metabolism); AUTORADIOGRAPHY; CARBON RADIOISOTOPES; CELL MEMBRANE (metabolism); CHOLINE (metabolism); ENGLISH ABSTRACT; EOSINOPHILIC GRANULOMA (metabolism); ESTERASES (metabolism); FIBROBLASTS (metabolism); GLYCERIN (metabolism); GLYCINE

(metabolism); HISTIOCYTES (metabolism); HISTOCYTOCHEMISTRY; HUMAN; LEUCINE AMINOPEPTIDASE (analysis); LIPIDS (biosynthesis); MEVALONIC ACID (metabolism); PALMITATES (metabolism); RETICULOENDOTHELIOSIS (metabolism, enzymology); SERINE (metabolism); THYMIDINE (metabolism); TISSUE CULTURE; TRITIMUM; URIDINE (metabolism).

Nicholls DG

THE INFLUENCE OF RESPIRATION AND ATP HYDROLYSIS ON THE PROTON-ELECTROCHEMICAL GRADIENT ACROSS THE INNER MEMBRANE OF RAT-LIVER MITOCHONDRIA AS DETERMINED BY ION DISTRIBUTION. Nicholls DG *Eur J Biochem* 50: 305-15, 16 Dec 74 (Eng)

ACETATES (metabolism); ADENOSINE TRIPHOSPHATE (metabolism); AMMONIUM COMPOUNDS (metabolism); ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT; HYDROGEN-ION CONCENTRATION; MATHEMATICS; MEMBRANE POTENTIALS; MEMBRANES (metabolism); MITOCHONDRIA, LIVER (metabolism); OXYGEN CONSUMPTION; RATS; RUBIDIUM (metabolism).

Nickerson PA

QUANTITATIVE ULTRASTRUCTURAL STUDY OF THE ADRENAL CORTEX: EFFECTS OF A MAMMOTROPIC PITUITARY TUMOR PRODUCING GROWTH HORMONE AND PROLACTIN (MTT-W10), AND OF INJECTED GROWTH HORMONE IN THE RAT. Nickerson PA *Albrecht von Graefes Arch Klin Ophthalmol* 194: 52-62, 1975 (Eng)

ADRENAL GLANDS (drug effects, pathology); ANIMAL EXPERIMENTS; CATTLE; ENDOPLASMIC RETICULUM (pathology); FEMALE; MICROSCOPY, ELECTRON; MITOCHONDRIA (pathology); PITUITARY NEOPLASMS (metabolism); PROLACTIN (pharmacodynamics, secretion); RATS; SOMATOTROPIN (pharmacodynamics, secretion).

Nicolau J

ACTIVITIES OF SOME GLYCOLYTIC ENZYMES IN THE MAJOR SALIVARY GLANDS OF SOME LABORATORY ANIMALS. Nicolau J, Lansac MC, Rosa R, Pedrosio FI, Leal A *Comp Biochem Physiol [A]* 47: 399-402, 1 Feb 74 (Eng)

ANIMAL EXPERIMENTS; FRUCTOSEDIPHOSPHATE ALDOLASE (metabolism); GLYCOLYSIS; GUINEA PIGS; HAMSTERS; HEXOKINASE (metabolism); LACTATE DEHYDROGENASE (metabolism); MALE; MICE; ORGAN SPECIFICITY; PAROTID GLAND (enzymology); RATS; SALIVARY GLANDS (enzymology); SPECIES SPECIFICITY; SUBLINGUAL GLAND (enzymology); SUBMANDIBULAR GLAND (enzymology).

Niimi M

[PROCEEDINGS: PROTEIN BINDING OF CORTISOL AND GLUCOSE METABOLISM INHIBIT BY THYMIC CELLS.] Senoo H, Niimi M, Matsui N *Folia Endocrinol Jpn* 50: 339, 20 Feb 74 (Jpn)

Nikezić M

[OUR EXPERIENCE WITH THE TUBERCULOUS INFECTION IN CHILDREN.] Jokanovic R, Nikezić M, Necić S *Srp Arch Celok Lek* 102: 866-73, Dec 74 (Ser)

Nishida H

[EFFECT OF PROSCILLARIDIN ON ACTIVE CATION TRANSPORT ACROSS HUMAN RED CELL MEMBRANE (AUTHORS TRANSL.)] Nishida H, Saito H, Kawaguchi M *Hokkaido J Med Sci* 49: 235-9, May 74 (Jpn)

ADENOSINE TRIPHOSPHATE (antagonists & inhibitors); ADULT; BIOLOGICAL TRANSPORT, ACTIVE (drug effects); BUTANOLIDES (pharmacodynamics); CELL MEMBRANE (metabolism, drug effects); COMPARATIVE STUDY; ENGLISH ABSTRACT; ERYTHROCYTES (ultrastructure); HUMAN; IN VITRO; OUABAIN (pharmacodynamics); POTASSIUM (blood); PROSCILLARIDIN (pharmacodynamics); SODIUM (blood).

Nishikawa M

[PROCEEDINGS: HYPOTHALAMIC OBESITY IN MAN.] Ishikawa K, Yamamoto A, Nishikawa M *Folia Endocrinol Jpn* 50: 648, 20 Feb 74 (Jpn)

Nishikawa Y

[PROCEEDINGS: EFFECT OF GLUCOCORTICOID AND ESTROGEN ON GLUCOSE UPTAKE BY THE ADIPOSE TISSUE.] Umehara C, Nishikawa Y, Iki Y, Sugimoto T *Folia Endocrinol Jpn* 50: 650, 20 Feb 74 (Jpn)

Nitzan M

INTERRELATIONS OF GLUCOSE, INSULIN AND GLUCAGON AFTER OVERNIGHT FAST AND IN RESPONSE TO ORAL GLUCOSE DURING LATE PREGNANCY. Nitzan M, Freinkel N, Metzger BE, Unger RH, Faloona GR, Daniel RR *Isr J Med Sci* 11: 617-22, Jun 75 (Eng)

ADMINISTRATION, ORAL; ANTIGENS; BLOOD SUGAR (analysis); FASTING; FEMALE; GLUCAGON (blood); GLUCOSE (diagnostic use); HUMAN; INSULIN (blood); PREGNANCY TRIMESTER, THIRD; PREGNANCY; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Nixon DA

IMPERMEABILITY OF THE SHEEP PLACENTA TOWARDS ENDOGENOUS PROLACTIN. Alexander DP, Britton HG, Buttle HL, Nixon DA *Res Vet Sci* 14: 271-2, Mar 73 (Eng)

Noirot P

[INFLUENCE OF ADDITION OF THE FREE FATTY ACIDS TO THE PERFUSATE ON THE FUNCTION OF ISOLATED RAT HEART.] Didier JP, Klepping J, Boucrot P, Moreau D, Noirot P, Bastien H *C R Soc Biol (Paris)* 168: 504-9, 1974 (Fre)

Norberg K

CEREBRAL METABOLISM IN HYPOXIC HYPOXIA. I. PATTERN OF ACTIVATION OF GLYCOLYSIS: A RE-EVALUATION. Norberg K, Siesjö BK *Brain Res* 86: 31-44, 14 Mar 75 (Eng)

ADENOSINE DIPHOSPHATE (metabolism); ADENOSINE MONOPHOSPHATE (metabolism); ADENOSINE TRIPHOSPHATE (metabolism); AMMONIA (metabolism); ANIMAL EXPERIMENTS; ANOXIA; CEREBRAL CORTEX (metabolism); CEREBROVASCULAR CIRCULATION; CITRATES (metabolism); ENZYME ACTIVATION; FRUCTOSEPHOSPHATES (metabolism); GLUCOSEPHOSPHATES (metabolism); GLYCOLYSIS; HYDROGEN-ION CONCENTRATION; LACTATES (metabolism); MALE; OXYGEN (blood); PHOSPHOCREATINE (metabolism); PHOSPHOFRUCTOKINASE (metabolism); PYRUVATES (metabolism); RATS; TIME FACTORS.

Nordmann J

MODIFICATIONS OF PLASMA POST-HEPARIN LIPOLYTIC ACTIVITY AND TISSUE LIPOPROTEIN LIPASE ACTIVITY INDUCED IN THE RAT BY ACUTE ADMINISTRATION OF ETHANOL OR PROPAN-2-OL. Giudicelli Y, Nordmann R, Nordmann J *Clin Sci Mol Med* 48: 153-6, Feb 75 (Eng)

Nordmann R

EFFECTS OF N-ETHYLMALIMIDE ON LIPOLYSIS AND GLUCOSE UPTAKE IN RAT ADIPOSE TISSUE. Giudicelli Y, Fieux MN, Nordmann R *Biomedicine [Express]* 21: 452-6, 20 Nov 74 (Eng)

MODIFICATIONS OF PLASMA POST-HEPARIN LIPOLYTIC ACTIVITY AND TISSUE LIPOPROTEIN LIPASE ACTIVITY INDUCED IN THE RAT BY ACUTE ADMINISTRATION OF ETHANOL OR PROPAN-2-OL. Giudicelli Y, Nordmann R, Nordmann J *Clin Sci Mol Med* 48: 153-6, Feb 75 (Eng)

Novakova V

SYNTHESIS OF SERUM ALBUMIN IN ISOLATED RAT LIVER PERFUSED BY A SYNTHETIC MEDIUM WITH FLUOROCARBON FC-80 EMULSION AS OXYGEN CARRIER. Novakova V, Birke G, Plantin LO *Acta Physiol Scand* 92: 289-302, Nov 74 (Eng)

ALANINE AMINOTRANSFERASE (blood); ANIMAL EXPERIMENTS; BILE (secretion); BLOOD PROTEINS (biosynthesis); BLOOD SUGAR (metabolism); BLOOD UREA NITROGEN; CARBON RADIOISOTOPES; DEPRESSION, CHEMICAL; FLUOROCARBON POLYMERS; GEL FILTRATION; LIVER (metabolism, drug effects, anatomy & histology); LYSINE (metabolism); ORGAN PRESERVATION; ORGAN WEIGHT; OXYGEN; PERFUSION (instrumentation); PRESSURE; PUROMYCIN (pharmacodynamics); RATS; SERUM ALBUMIN (biosynthesis); SERUM ALBUMIN, RADIO-IODINATED (metabolism); STIMULATION, CHEMICAL; TISSUE PRESERVATION.

Novelli A

EFFECTS OF ALLOXAN DIABETES AND INSULIN ON MORPHOLOGY AND CERTAIN FUNCTIONAL ACTIVITIES OF MITOCHONDRIA OF THE RAT LIVER AND HEART. Marinari UM, Monacelli R, Cottalasso D, Novelli A *Acta Diabetol Lat* 11: 296-314, Jul-Aug 74 (Eng)

Nye ER

THE EFFECT OF DIETARY LIPIDS ON LIPOLYSIS IN RAT ADIPOSE TISSUE. Larking PW, Nye ER *Br J Nutr* 33: 291-7, Mar 75 (Eng)

Nylander P

STUDIES ON THE MASS FRAGMENTOGRAPHIC DETERMINATION OF PLASMA ESTRADIOL. Adlercreutz H, Nylander P, Hunneman DH *Biomed Mass Spectrom* 1: 332-9, Oct 74 (Eng)

Oakley NW

CARBOHYDRATE METABOLISM IN PREGNANCY. PART I. DIURNAL PLASMA GLUCOSE PROFILE IN NORMAL AND DIABETIC WOMEN. Gillmer MD, Beard RW, Brooke FM, Oakley NW *Br Med J* 3: 399-402, 16 Aug 75 (Eng)

METABOLIC PROFILES IN PREGNANCY. Gillmer MD, Oakley NW, Brooke FM, Beard RW *Isr J Med Sci* 11: 601-3, Jun 75 (Eng)

Oberman AE

PATHOGENESIS OF DIABETIC RETINOPATHY. Oberman AE *Trans Pac Coast Ophthalmol Soc* 55: 167-77, 1974 (Eng) [21]

ADRENAL CORTEX HORMONES (secretion); ANEURYSM (pathology); AUTOIMMUNE DISEASES; BASEMENT MEMBRANE (pathology); DIABETIC RETINOPATHY (etiology, classification, pathology, immunology, metabolism); HEMODYNAMICS; HEMORRHAGE (complications); HUMAN; ISCHEMIA (complications); MICROCIRCULATION; RETINAL VESSELS (pathology, abnormalities, physiopathology);

Oberman Z

REVIEW: SOMATOTROPIN (secretion); VITREOUS BODY.

Oberman Z

UNDER-RESPONSIVENESS OF GROWTH HORMONE SECRETION AFTER L-DOPA AND DEEP SLEEP STIMULATION IN OBES SUBJECTS. Laurian L, Oberman Z, Ayalon D, Cordova T, Herzberg M, Horer E, Harell A *Isr J Med Sci* 11: 482-7, May 75 (Eng)

CHANGES IN PLASMA CORTISOL, GLUCOSE AND FREE FATTY ACIDS AFTER CAFFEINE INGESTION IN OBES WOMEN. Oberman Z, Herzberg M, Jaskolka H, Harell A, Hoerer E, Laurian L *Isr J Med Sci* 11: 33-6, Jan 75 (Eng)

ADULT; BLOOD SUGAR (analysis); CAFFEINE (pharmacodynamics, metabolism); CENTRAL NERVOUS SYSTEM (physiology); COMPARATIVE STUDY; FATTY ACIDS, NONESTERIFIED (blood); FEMALE; HUMAN; HYDROCORTISONE (blood); OBESITY (blood, metabolism); STIMULATION, CHEMICAL.

Obuchowicz B

THE EFFECT OF PHYSICAL EXERCISE ON GLYCOGEN METABOLISM IN THE RAT LIVER. Bobilewicz D, Ranc-Bukowska E, Obuchowicz B *Acta Physiol Pol* 25: 29-38, Jan-Feb 74 (Eng)

Oda T

[PROCEEDINGS: SOMATOTROPIN-RELEASE INHIBITING FACTOR] Kaneko T, Oka H, Munemura M, Oda T, Yamashita K *Folia Endocrinol Jpn* 50: 270, 20 Feb 74 (Jpn)

Odagiri E

[PROCEEDINGS: RADIOIMMUNOASSAY OF GROWTH HORMONE AND PROLACTIN IN THE CULTURE FLUID DERIVED FROM PITUITARY TUMOR] Idemura R, Ichikawa K, Maeda T, Odagiri E, Suda T *Folia Endocrinol Jpn* 50: 289, 20 Feb 74 (Jpn)

[PROCEEDINGS: ISOLATED GROWTH HORMONE DEFICIENCY IN 2 SETS OF SIBLINGS] Ichikawa K, Idemura R, Takano K, Odagiri E, Maeda T *Folia Endocrinol Jpn* 50: 628, 20 Feb 74 (Jpn)

OGara P

GASTRIC OPERATIONS AND GLUCOSE HOMEOSTASIS. II. GLUCAGON AND SECRETIN. Breuer RI, Zuckerman L, Hauch TW, Green W, OGara P, Lawrence AM, Foa PP, Matsuyama T *Gastroenterology* 69: 598-606, Sep 75 (Eng)

Ogawa N

[PROCEEDINGS: HUMAN PROLACTIN SECRETION DYNAMICS IN VARIOUS ENDOCRINE DISEASES] Ogawa N, Miyoshi M, Hanabusa M, Yokoyama H, Furuno K *Folia Endocrinol Jpn* 50: 296, 20 Feb 74 (Jpn)

ENDOCRINE DISEASES (physiopathology); HUMAN; PROLACTIN (secretion).

Ogo S

PASMA GROWTH HORMONE RESPONSES TO THYROTROPIN-RELEASING HORMONE IN THE URETHANE-ANESTHETIZED RAT. Kato Y, Chihara K, Maeda K, Ogo S, Okanishi Y *Endocrinology* 96: 1114-8, May 75 (Eng)

Oh C

FACITIAL PANNICULITIS AND NECROTIZING FASCITIS IN JUVENILE DIABETES. Oh C, Ginsberg-Fellner F, Dolger H *Diabetes* 24: 856-8, Sep 75 (Eng)

ABDOMEN; ADIPOSE TISSUE (pathology); ADOLESCENCE; CASE REPORT; DIABETES MELLITUS, JUVENILE (complications, drug therapy); DRUG ABUSE; DRUG HYPERSENSITIVITY; EXTREMITIES; FASCIA (pathology); FEMALE; HUMAN; INFLAMMATION (chemically induced, therapy);

Diabetes Literature—Author Index

INJECTIONS; INSULIN (therapeutic use, adverse effects); MEMBRANES (pathology); NECROSIS; TURPENTINE.

Oh W

THE EFFECT OF ORAL ALANINE ON BLOOD GLUCOSE AND GLUCAGON IN THE HUMAN NEWBORN INFANT. Fiser RH, Williams PR, Fisher DA, DeLameter PV, Sperling MA, Oh W *Pediatrics* 56: 78-81, Jul 75 (Eng)

Ohern P

BIOCHEMICAL PARAMETERS OF ABNORMAL ENDOMETRIUM. Hughes EC, Csermely TV, Jacobs RD, Ohern P *Gynecol Oncol* 2: 205-20, Aug 74 (Eng)

Ohneda A

GLUCAGON RESPONSE TO ARGININE AFTER TREATMENT OF DIABETES MELLITUS. Ohneda A, Ishii S, Horigome K, Yamagata S *Diabetes* 24: 811-9, Sep 75 (Eng)

ADULT; AGED; ARGININE (diagnostic use); BLOOD SUGAR (metabolism); DIABETES MELLITUS (metabolism, drug therapy, diet therapy); FEMALE; GLUCAGON (metabolism, blood); GLUCOSE TOLERANCE TEST; GLUCOSE (pharmacodynamics); HUMAN; INFUSIONS, PARENTERAL; INSULIN (blood, therapeutic use); MALE, MIDDLE AGE; SULFONYLUREA COMPOUNDS (therapeutic use).

Oishi R

HYPERDIPSIA INDUCED BY BILATERAL DESTRUCTION OF THE LOCUS COERULEUS IN RATS. Osumi Y, Oishi R, Fujiwara H, Takaori S *Brain Res* 86: 419-27, 28 Mar 75 (Eng)

Oka H

[PROCEEDINGS: SOMATOTROPIN-RELEASE INHIBITING FACTOR] Kaneko T, Oka H, Munemura M, Oda T, Yamashita K *Folia Endocrinol Jpn* 50: 270, 20 Feb 74 (Jpn)

Oka M

EFFECTS OF CYCLIC ADENOSINE 3,5-MONOPHOSPHATE AND ITS DIBUTYRYL DERIVATIVES ON CATECHOLAMINE SYNTHESIS IN BOVINE ADRENAL MEDULLARY SLICES. Oka M, Izumi F *FEBS Lett* 51: 253-6, 1 Mar 75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); ADENOSINE MONOPHOSPHATE (pharmacodynamics); ADRENAL MEDULLA (metabolism, drug effects); ANIMAL EXPERIMENTS; BUTYRATES (pharmacodynamics); CATECHOLAMINES (biosynthesis); CATTLE; DIBUTYRYL CYCLIC AMP (pharmacodynamics); DOPA (metabolism); IN VITRO; TYROSINE (metabolism).

Okada K

[2 CASES OF LOW CARDIAC OUTPUT SYNDROME EFFECTIVELY TREATED WITH INSULIN] Okada K, Ko H, Tochihuchi H, Iwabuchi T, Kaneda M *Jpn J Anesthesiol* 24: 621-4, Jun 75 (Jpn)

ADULT; CARDIAC OUTPUT; CASE REPORT; CHILD, PRESCHOOL; ENGLISH ABSTRACT; FEMALE; HEART SURGERY; HUMAN; INSULIN (therapeutic use); POSTOPERATIVE COMPLICATIONS (drug therapy); SYNDROME.

Okada T

[PROCEEDINGS: EFFECT OF 2-DEOXY-D-GLUCOSE ON FOOD UPTAKE AND BODY WEIGHT INCREASE IN RATS] Naito C, Okada T *Folia Endocrinol Jpn* 50: 646, 20 Feb 74 (Jpn)

[PROCEEDINGS: MECHANISM OF RELEASE OF LIPOLYTIC PRODUCTS (FFA AND FG) FROM FAT CELLS] Naito C, Okada T *Folia Endocrinol Jpn* 50: 653, 20 Feb 74 (Jpn)

Okanishi Y

PASMA GROWTH HORMONE RESPONSES TO THYROTROPIN-RELEASING HORMONE IN THE URETHANE-ANESTHETIZED RAT. Kato Y, Chihara K, Maeda K, Ogo S, Okanishi Y *Endocrinology* 96: 1114-8, May 75 (Eng)

Okorokov AN

[INDICATORS OF THE CONDITION OF CONNECTIVE TISSUE AND THE ACTIVITY OF THE PENTOSE CYCLE OF GLUCOSE METABOLISM IN PATIENTS WITH DIABETES MELLITUS] Dozoretz IuL, Okorokov AN, Bobkov VJa, Rabkin M *Sov Med* 57-60, Jun 75 (Rus)

Okuda T

[PROCEEDINGS: ACTION MECHANISM OF LIPID MOBILIZING HORMONE AND CAMP] Saito Y, Matsuoka N, Okuda T, Fujii S *Folia Endocrinol Jpn* 50: 479, 20 Feb 74 (Jpn)

[PROCEEDINGS: MECHANISM OF LIPID METABOLISM REGULATION IN LIPID MICELLES] Matsuoka N, Saito Y, Okuda T, Fujii S *Folia Endocrinol Jpn* 50: 651, 20 Feb 74 (Jpn)

Okuno G

[COMPARISON OF BLOOD GLUCOSE AND INSULIN CONCENTRATIONS IN MAN AFTER INTRAVENOUS INJECTION OF 1.0, 0.1 AND 0.01 MG OF GLUCAGON (AUTHORS TRANSL)] Okuno G *Folia Endocrinol Jpn* 51: 202-8, 20 Apr 75 (Jpn)

ADULT; BLOOD SUGAR (metabolism); COMPARATIVE STUDY; DOSE-RESPONSE RELATIONSHIP; DRUG; ENGLISH ABSTRACT; GLUCAGON (administration & dosage, pharmacodynamics); HUMAN; INJECTIONS, INTRAVENOUS; INSULIN (blood).

Olefsky J

COMPARISON OF 125-I-INSULIN BINDING AND DEGRADATION TO ISOLATED RAT HEPATOCYTES AND LIVER MEMBRANES. Olefsky J, Johnson J, Liu F, Edwards P, Baur S *Diabetes* 24: 801-10, Sep 75 (Eng)

ANIMAL; CELL FRACTIONATION; CELL MEMBRANE (metabolism); CELL SEPARATION; COMPARATIVE STUDY; FEMALE; INSULIN (metabolism, pharmacodynamics, analogs & derivatives); LIVER (metabolism, drug effects); PROINSULIN (pharmacodynamics); PROTEIN BINDING; RATS; RECEPTORS, HORMONE; SOMATOTROPIN (pharmacodynamics); SWINE; THYROTROPIN (pharmacodynamics); TRYPSIN (pharmacodynamics).

Oliaro A

[PANCREATIC CYSTS] Varola F, Beccaria A, Oliaro A, Sasso D, Villata E, Cirillo R *Minerva Chir* 30: 83-125, 15 Feb 75 (Ita)

Oliver MF

LETTER: ACUTE SYSTOLIC HYPERTENSION DURING MYOCARDIAL INFARCTION. Oliver MF *Br Med J* 3: 432, 16 Aug 75 (Eng)

ARRHYTHMIA (complications); BLOOD SUGAR; FATTY ACIDS, NONESTERIFIED (blood); HUMAN; HYPERTENSION (etiology, therapy); INSULIN (blood); MYOCARDIAL INFARCT (complications).

CONTROL OF VENTRICULAR ARRHYTHMIAS DURING MYOCARDIAL INFARCTION BY ANTILIPOLYTIC TREATMENT USING A NICOTINIC-ACID ANALOGUE. Rowe MJ, Neilson JM, Oliver MF *Lancet* 1: 295-300, 8 Feb 75 (Eng)

Olsen KW

THREE-DIMENSIONAL STRUCTURE OF D-GLYCERALDEHYDE-3-PHOSPHATE

DEHYDROGENASE. Buehner M, Ford GC, Olsen KW, Moras D, Rossman MG *J Mol Biol* 90: 25-49, 25 Nov 74 (Eng)

Onaya T

[PROCEEDINGS: GLUCOSE AND 2-KETOGLUTARATE OXIDATION IN THE HYPOTHALAMUS AND THE ANTERIOR PITUITARY LOBE] Sato A, Onaya T, Yamada T *Folia Endocrinol Jpn* 50: 259, 20 Feb 74 (Jpn)

[PROCEEDINGS: ETIOLOGICAL CONSIDERATION IN ACROMEGALY: ON THE MULTIRECEPTOR OF THE GROWTH HORMONE SECRETING CELLS] Onaya T, Tsukui T, Sato A, Kobayashi R, Iwasa Y *Folia Endocrinol Jpn* 50: 282, 20 Feb 74 (Jpn)

ACROMEGALY (etiology); HUMAN; RECEPTORS, HORMONE; SOMATOTROPIN (secretion).

[PROCEEDINGS: EFFECT OF ACTIVAED AMINES ON CYCLIC GMP LEVELS OF THE CEREBRAL CORTEX, HYPOTHALAMUS AND ANTERIOR PITUITARY GLAND] Sato A, Onaya T, Yamada T *Folia Endocrinol Jpn* 50: 476, 20 Feb 74 (Jpn)

Ondreicka R

RELATIONSHIP BETWEEN FREE FATTY ACIDS AND GLUCOSE UPTAKE BY RAT KIDNEY CORTEX SLICES. Chorvathova V, Ondreicka R, Dzurik R *Physiol Bohemoslov* 21: 629-32, 1972 (Eng)

Onishi T

[PROCEEDINGS: ACTION OF RELEASING HORMONES ON VARIOUS ANTERIOR PITUITARY HORMONE SECRETION: ACROMEGALY] Miyai K, Onishi T, Hashimoto T, Sawazaki N, Hosokawa M *Folia Endocrinol Jpn* 50: 275, 20 Feb 74 (Jpn)

Ono T

[PROCEEDINGS: SIGNIFICANCE OF GLYCOGEN METABOLISM OF THE ANTERIOR PITUITARY LOBE IN THE MECHANISMS OF LH AND FSH RELEASE] Makino T, Takahata H, Shiina M, Iizuka R, Ono T *Folia Endocrinol Jpn* 50: 260, 20 Feb 74 (Jpn)

Openshaw H

EXTRACTION OF D-BETA-HYDROXYBUTYRATE BY BRAIN IN DIABETIC RATS. Openshaw H, Diamond I *Arch Neurol* 32: 640-1, Sep 75 (Eng)

ANIMAL; BLOOD SUGAR (metabolism); BRAIN (metabolism); DIABETES MELLITUS (metabolism, chemically induced); DISEASE MODELS, ANIMAL; FEMALE; HYDROXYBUTYRATES (metabolism, blood); KETONE BODIES (metabolism); RATS; STREPTOZOTOCIN; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Opheim DJ

PURIFICATION AND REGULATION OF FRUCTOSE-1,6-BISPHOSPHATASE FROM BACILLUS LICHENIFORMIS. Opheim DJ, Bernlohr RW *J Biol Chem* 250: 3024-33, 25 Apr 75 (Eng)

ADENOSINE MONOPHOSPHATE (pharmacodynamics); ALUMINUM; BACILLUS (enzymology); CELL DIVISION; CHROMATOGRAPHY; CHROMATOGRAPHY, DEAE-CELLULOSE; ENZYME ACTIVATION (drug effects); HEXOSEDIPHOSPHATASE (isolation & purification, metabolism); HYDROGEN-ION CONCENTRATION; KINETICS; MANGANESE; PYRUVATES (pharmacodynamics); SPORES, BACTERIAL (enzymology); TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Opie LH

LETTER: ARE FREE FATTY ACIDS ARRHYTHMOGENIC Opie LH, Lubbe WF *J Mol Cell Cardiol* 7: 155-9, Feb 75 (Eng)

ANIMAL EXPERIMENTS; ARRHYTHMIA (chemically induced); DOGS; FATTY ACIDS, NONESTERIFIED (toxicity); GUINEA PIGS; HEART RATE (drug effects); HEART (physiopathology, drug effects); HEPARIN (pharmacodynamics); HUMAN; SPECIES SPECIFICITY; TIME FACTORS.

DIETARY SUCROSE IN RELATION TO THE DEVELOPMENT OF ISCHEMIC HEART DISEASE. Opie LH *Am Heart J* 89: 674-5, May 75 (Eng)

ARTERIOSCLEROSIS (etiology, metabolism); CORONARY DISEASE (etiology, metabolism); DIETARY CARBOHYDRATES (adverse effects); GLUCOSE (metabolism); HUMAN; LIPIDS (blood); MYOCARDIUM (metabolism); SUCROSE (adverse effects); TRIGLYCERIDES (blood).

Oppermann W

A NEW CONCEPT FOR THE EVALUATION OF THE BLOOD GLUCOSE AND INSULIN RESPONSES OF HEALTH SUBJECTS FOLLOWING AN ORAL GLUCOSE LOAD. Szabo O, Oppermann W, Victor C, Camerini-Davalos RA *Acta Diabetol Lat* 11: 265-76, Jul-Aug 74 (Eng)

Oprescu M

[INFLUENCE OF EXPERIMENTAL HYPERTENSION AND HYPOTHYROIDISM ON THE METABOLISM OF RADIOACTIVE INSULIN AT THE LEVEL OF THE LIVER IN RATS] Costiner E, Simionescu L, Oprescu M *Stud Cercet Endocrinol* 23: 253-8, 1972 (Rum)

Orci L

SYMPOSIUM III: HORMONES AND HORMONE RECEPTORS. A MORPHOLOGICAL APPROACH TO SURFACE RECEPTORS IN ISLET AND LIVER CELLS. Orci L, Rufenner C, Malaisse-Lagae F, Blondel B, Amherdt M, Bataille D, Freychet P, Perrelet A *Isr J Med Sci* 11: 639-55, Jul 75 (Eng)

ANIMAL; BINDING SITES; CELL MEMBRANE (ultrastructure); FREEZE FRACTURING; INSULIN (metabolism); ISLANDS OF LANGERHANS (ultrastructure); LIVER (ultrastructure); MICROSCOPY, ELECTRON (methods); MICROSCOPY, ELECTRON, SCANNING; RECEPTORS, HORMONE.

A MORPHOLOGICAL BASIS FOR INTERCELLULAR COMMUNICATION BETWEEN ALPHA- AND BETA-CELLS IN THE ENDOCRINE PANCREAS. Orci L, Malaisse-Lagae F, Ravazzola M, Rouiller D, Renold AE, Perrelet A, Unger R *J Clin Invest* 56: 1066-70, Oct 75 (Eng)

ANIMAL; GLUCOSE (metabolism); HOMEOSTASIS; INTERCELLULAR JUNCTIONS (ultrastructure); ISLANDS OF LANGERHANS (ultrastructure); RATS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Orevi M

HYPERLIPIDEMIA AND HEPATIC HYPERLIPOGENESIS IN SPINY MICE (ACOMYS CAHIRINUS) ON CARBOHYDRATE DIETS: RELATIONSHIP TO PERIPHERAL UNDERRESPONSIVENESS AND LOW INSULIN RELEASE. Shafir E, Benchimol A, Orevi M *Isr J Med Sci* 11: 738-52, Jul 75 (Eng)

Orimo H

[PROCEEDINGS: PROLACTIN SECRETION DYNAMICS IN NORMAL SUBJECTS] Shimamoto K, Orimo H *Folia Endocrinol Jpn* 50: 295, 20 Feb 74 (Jpn)

Orloff MJ

LONG TERM STUDIES OF PANCREAS TRANSPLANTATION IN EXPERIMENTAL DIABETES MELLITUS. Orloff MJ, Lee S, Charters AC 3d, Grambolt DE, Storck LG, Knox D *Ann Surg* 182: 198-206, Sep 75 (Eng)

ALLOXAN DIABETES (therapy, physiopathology, blood); ANIMAL; BLOOD SUGAR (metabolism); BODY WEIGHT; DIABETIC NEPHROPATHIES (prevention & control); DIABETIC NEUROPATHIES (prevention & control); DIABETIC RETINOPATHY (prevention & control); DUODENUM (surgery); INSULIN (blood); LIGATION; MALE; PANCREAS (transplantation, physiopathology); PANCREATIC DUCTS (surgery); PORTAL SYSTEM (physiopathology); RATS, INBRED LEW; RECURRENCE; TIME FACTORS; TRANSPLANTATION, HOMOLOGOUS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Orth DN

EVIDENCE FOR GLUCOCORTICOID TRANSPORT INTO ATT-20/D-1 CELLS. Harrison RW 3d, Fairfield S, Orth DN *Biochemistry* 14: 1304-7, 25 Mar 75 (Eng)

Osawa Y

EFFECT OF GLUCOSE IN ISOPROTERENOL-INDUCED NECROTIC HEART UNDER ANOXIC PERFUSION. Tsuboi T, Osawa Y, Ishikawa K, Yoshida K, Shimizu M *Jpn J Pharmacol* 24: 803-8, Oct 74 (Eng)

Oseid S

STUDIES IN CONGENITAL GENERALIZED LIPODYSTROPHY. VI. SUPPRESSIBLE AND NON-SUPPRESSIBLE INSULIN-LIKE ACTIVITIES OF PLASMA. Svik O, Oseid S *Acta Endocrinol (Kbh)* 79: 720-8, Aug 75 (Eng)

Oshima K

[PROCEEDINGS: BIOLOGICAL ACTION OF GROWTH HORMONE SECRETION INHIBITING FACTOR] Oshima K, Nabusa K, Isebe J, Saito S, Nagao T *Folia Endocrinol Jpn* 50: 272, 20 Feb 74 (Jpn)

ANIMAL EXPERIMENTS; PEPTIDES (pharmacodynamics); PITUITARY GLAND (drug effects); RATS; SOMATOTROPIN (secretion).

Oshino N

MITOCHONDRIAL FUNCTION UNDER HYPOXIC CONDITIONS: THE STEADY STATES OF CYTOCHROME ALPHA₂ AND ALPHA₃ AND THEIR RELATION TO MITOCHONDRIAL ENERGY STATES. Oshino N, Sugano T, Oshino R, Chance B *Biochim Biophys Acta* 368: 298-310, 19 Dec 74 (Eng)

ANIMAL EXPERIMENTS; ANOXIA (metabolism); CYTOCHROME C (metabolism); CYTOCHROMES (metabolism); ELECTRON TRANSPORT; ENERGY TRANSFER; GLUTAMATES (metabolism); HYDROXYBUTYRATES (metabolism); MATHEMATICS; MITOCHONDRIA, MUSCLE (metabolism); MYOCARDIUM; OXIDATION-REDUCTION; OXYGEN CONSUMPTION; PIGEONS; SPECTROPHOTOMETRY; SUCCINATES (metabolism).

Oshino R

MITOCHONDRIAL FUNCTION UNDER HYPOXIC CONDITIONS: THE STEADY STATES OF CYTOCHROME ALPHA₂ AND ALPHA₃ AND THEIR RELATION TO MITOCHONDRIAL ENERGY STATES. Oshino N, Sugano T, Oshino R, Chance B *Biochim Biophys Acta* 368: 298-310, 19 Dec 74 (Eng)

Diabetes Literature—Author Index

Osumi Y

Osumi Y

HYPERDIPIPSIA INDUCED BY BILATERAL DESTRUCTION OF THE LOCUS COERULEUS IN RATS. Osumi Y, Oishi R, Fujiwara H, Takaori S *Brain Res* 86: 419-27, 28 Mar 75 (Eng)

ANIMAL EXPERIMENTS; BLADDER (physiology); BLOOD SUGAR (analysis); BRAIN MAPPING; CEREBRAL CORTEX (analysis); CEREBRAL VENTRICLES (physiology); DIENCEPHALON (analysis); DIURESIS; DRINKING BEHAVIOR (physiology); FEEDING BEHAVIOR (physiology); HIPPOCAMPUS (analysis); HYPOTHALAMUS (analysis); MALE; NOREPINEPHRINE (analysis); POTASSIUM (blood); RATS; SERUM ALBUMIN (analysis); SODIUM (blood); TELECEPHALON (analysis); THALAMUS (analysis); TIME FACTORS; UREA (blood); WATER-ELECTROLYTE BALANCE.

Ota Y

[IN VIVO DETERMINATION OF ENDOTHELIAL PERMEABILITY TO FLUORESCIN] Ota Y *Acta Soc Ophthalmol Jpn* 78: 1107-8, 10 Oct 74 (Jpn)

ANIMAL EXPERIMENTS; CELL MEMBRANE PERMEABILITY; CORNEA (metabolism); ENDOTHELIUM (metabolism); ENGLISH ABSTRACT; FLUORESCINS (metabolism); HUMAN; RABBITS.

Otterson WN

CAN THE OXYTOCIN CHALLENGE TEST SERVE AS THE PRIMARY METHOD FOR MANAGING HIGH-RISK PREGNANCIES Hayden BL, Simpson JL, Ewing DE, Otterson WN *Obstet Gynecol* 46: 251-4, Sep 75 (Eng)

Otto-Buczkowska E

[BENIGN DIABETES IN CHILDREN (AUTHORS TRANSL)] Otto-Buczkowska E, Kokot F, Kuska J *Przegl Lek* 32: 641-6, 1975 (Pol)

ADOLESCENCE; CHILD; CHILD, PRESCHOOL; DIABETES MELLITUS, JUVENILE (diagnosis); DIAGNOSIS, DIFFERENTIAL; ENGLISH ABSTRACT; FEMALE; HUMAN; INSULIN (secretion); MALE; TOLBUTAMIDE (diagnostic use).

Ovchinnikov YA

THE ENNIATIN IONOPHORES, CONFORMATION AND ION BINDING PROPERTIES. Ovchinnikov YA, Ivanov VT, Evstratov AV, Mikhailova IL, Byistrov VF, Potomova SL, Balashova TA, Meshcheryakova EN, Tulchinsky VM *Int J Pept Protein Res* 6: 465-98, 1974 (Eng)

ANTIBIOTICS; CATIONS, DIVALENT; CATIONS, MONOVALENT; CIRCULAR DICHROISM; FUSARIUM; METALS; MOLECULAR CONFORMATION; NUCLEAR MAGNETIC RESONANCE; OPTICAL ROTATORY DISPERSION; PEPTIDES, CYCLIC; PROTEIN BINDING; SOLUTIONS; SPECTROPHOTOMETRY, ULTRAVIOLET.

Owczarczyk I

[GROWTH HORMONE AND INSULIN CURVE FOLLOWING GLUCOSE LOADING IN PATIENTS WITH ACROMEGALY] Kolaszynski J, Owczarczyk I, Pawlikowski M *Endokrynol Pol* 26: 265-9, May-Jun 75 (Pol)

Owen OE

KETONE BODY METABOLISM IN NORMAL, OBESSE AND DIABETIC SUBJECTS. Owen OE, Reichard GA Jr *Isr J Med Sci* 11: 560-70, Jun 75 (Eng)

ACETOACETATES (metabolism); ACIDOSIS, DIABETIC (metabolism); BRAIN (metabolism); DIABETES MELLITUS (metabolism); HUMAN; HYDROXYBUTYRATES (metabolism); KETONE BODIES (metabolism, blood); KIDNEY (metabolism); LIVER (metabolism); MUSCLES (metabolism); OBESITY (metabolism); STARVATION; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Ozaki S

[EFFECT OF LIPIDS ON LIVER MICROSOMAL MEMBRANES. (1) STUDIES OF A RELATIONSHIP BETWEEN DELIPIDATION OF LIVER MICROSOMES WITH THE VARIOUS ORGANIC SOLVENTS AND CYTOCHROME C REDUCTASE ACTIVITY LINKED TO REDUCED NICOTINAMIDE ADENINE DINUCLEOTIDE (AUTHORS TRANSL)] Ozaki S *Hokkaido J Med Sci* 49: 326-36, Jul 74 (Jpn)

ACETONE (pharmacodynamics); ALCOHOL, PROPYL (pharmacodynamics); ANIMAL EXPERIMENTS; CHICKENS; CHROMATOGRAPHY, GAS; CYTOCHROME C (metabolism); CYTOCHROME REDUCTASES (metabolism); ENGLISH ABSTRACT; FERRICYANIDES (metabolism); HORSES; IMMUNOASSAY; IN VITRO; LIPIDS (metabolism); MEMBRANES (enzymology); MICROSOMES, LIVER (ultrastructure); NAD (metabolism); NADP; SOLVENTS.

[EFFECT OF LIPIDS ON LIVER MICROSOMAL MEMBRANES. (2) STUDIES ON THE INTERACTION BETWEEN EXTRA-CYTOCHROME B5 AND MICROSOMAL MEMBRANES (AUTHORS TRANSL)] Ozaki S *Hokkaido J Med Sci* 49: 337-46, Jul 74 (Jpn)

ACETONE (pharmacodynamics); ANIMAL EXPERIMENTS; CYTOCHROMES (metabolism); ENGLISH ABSTRACT; IN VITRO; LIPIDS (metabolism); MEMBRANES (enzymology); MICROSOMES, LIVER (ultrastructure); PHOSPHOLIPIDS (metabolism); PROTEIN BINDING; SWINE; TRITONS (pharmacodynamics); TRYPSIN (pharmacodynamics).

[EFFECT OF LIPIDS ON LIVER MICROSOMAL MEMBRANES. (3) STUDIES ON THE EFFECT OF LIPID MICELLES ON THE RECONSTITUTED SYSTEMS OF NADH-CYTOCHROME C REDUCTASE (AUTHORS TRANSL)] Ozaki S *Hokkaido J Med Sci* 49: 347-55, Jul 74 (Jpn)

ANIMAL EXPERIMENTS; CHROMATOGRAPHY; CYTOCHROME REDUCTASES (metabolism); CYTOCHROMES (metabolism); ENGLISH ABSTRACT; IN VITRO; LIPIDS (metabolism); LYSOSOMES (metabolism); MEMBRANES (enzymology); MICROSOMES, LIVER (ultrastructure); SWINE.

Ozawa K

CONTROL OF PHOSPHORYLATIVE ACTIVITY IN HUMAN LIVER MITOCHONDRIA THROUGH CHANGES IN RESPIRATORY ENZYME CONTENTS. Ozawa K, Honjo I *Clin Sci Mol Med* 48: 75-82, Feb 75 (Eng)

ANIMAL EXPERIMENTS; CHLORAMPHENICOL (pharmacodynamics); CYTOCHROMES (metabolism); GLUTAMATES (metabolism); HEPATOMA (metabolism); HUMAN; LIVER NEOPLASMS (metabolism); LIVER REGENERATION; MITOCHONDRIA, LIVER (metabolism, drug effects); OXIDATIVE PHOSPHORYLATION; OXYGEN CONSUMPTION; RATS; SUCCINATES (metabolism).

Ozawa Y

[PROCEEDINGS: DEFICIENCIES OF GROWTH HORMONE, THYROID STIMULATING HORMONE AND GONAD STIMULATING HORMONE IN A BROTHER AND SISTER] Shishiba Y, Shimizu T, Ozawa Y, Kawabata T *Folia Endocrinol Jpn* 50: 625, 20 Feb 74 (Jpn)

Pabico RC

SPONTANEOUS REMISSION OF THE NEPHROTIC SYNDROME IN DIABETIC NEPHROPATHY. Pabico RC, Panner BJ, McKenna BA, Freeman RB *Am J Med Sci* 59: 434-43, Sep 75 (Eng)

ADULT; BIOPSY; CASE REPORT; CHOLESTEROL (blood); DIABETIC

NEPHROPATHIES (pathology); FEMALE; HUMAN; KIDNEY FUNCTION TESTS; KIDNEY (pathology, ultrastructure); MICROSCOPY, ELECTRON; NEPHROTIC SYNDROME (pathology); REMISSION.

Pacheco CR

[CLINICAL STUDY OF A NEW SYNTHETIC STEROID IN THE TREATMENT OF BRONCHIAL ASTHMA] Pacheco CR, Valdez-Ochoa S, Naranjo F, Alvarez H, Aguilar M, Saavedra M *Gac Med Mex* 104: 313-9, Oct 72 (Spa)

ADULT; AGED; ASTHMA (drug therapy); BLOOD SUGAR (metabolism); BODY WEIGHT (drug effects); CLINICAL RESEARCH; COMPARATIVE STUDY; FEMALE; GLUCOCORTICIDS, SYNTHETIC (pharmacodynamics, therapeutic use); HUMAN; MALE; MIDDLE AGE; POTASSIUM (urine); PREDNISONE (therapeutic use); PREGNATRIENES (therapeutic use, pharmacodynamics); PYRAZOLES (therapeutic use, pharmacodynamics); SODIUM (urine); 17-HYDROXYCORTICOSTEROIDS (urine); 17-KETOSTEROIDS (urine).

Packer L

ACTION OF THE ADENOSINE TRIPHOSPHATE ANALOG, ADENYLYL IMIDODIPHOSPHATE IN MITOCHONDRIA. Melnick RL, De Sousa JT, Maguire J, Packer L *Arch Biochem Biophys* 166: 139-44, Jan 75 (Eng)

Padalino A

[VITAMIN A AND BIOLOGICAL MEMBRANES. IV. CHANGES INDUCED BY A VITAMIN A DEFICIENT DIET IN THE FATTY ACID COMPOSITION OF THE STROMA OF ALBINO RAT ERYTHROCYTES] Carhini L, Dazzi E, Padalino A *Acta Vitaminol Enzymol (Milano)* 28: 199-202, 1974 (Ita)

Page IH

EFFECTS OF CLOFIBRATE AND A FAT-MODIFIED DIET ON SERUM LIPIDS. Brown HB, Lewis LA, Page IH *Clin Pharmacol Ther* 17: 171-8, Feb 75 (Eng)

Pai BN

TOXICITY ARISING FROM THE UREA CYCLE. Cohen BD, Handelsman DG, Pai BN *Kidney Int [Suppl]* 285-7, Feb 75 (Eng)

Palmer JP

ARGININE-STIMULATED ACUTE PHASE OF INSULIN AND GLUCAGON SECRETION. I. IN NORMAL MAN. Palmer JP, Walter RM, Ensinn JW *Diabetes* 24: 735-40, Aug 75 (Eng)

ADOLESCENCE; ADULT; ARGININE (diagnostic use); BLOOD SUGAR (metabolism); DOSE-RESPONSE RELATIONSHIP, DRUG; GLUCAGON (secretion); GLUCOSE (pharmacodynamics); HUMAN; HYPERGLYCEMIA (physiopathology); INJECTIONS, INTRAVENOUS; INSULIN (secretion); MALE; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

ACUTE-PHASE INSULIN SECRETION AND GLUCOSE TOLERANCE IN YOUNG AND AGED NORMAL MEN AND DIABETIC PATIENTS. Palmer JP, Ensinn JW *J Clin Endocrinol Metab* 41: 498-503, Sep 75 (Eng)

ADULT; AGED; AGING; BLOOD SUGAR (analysis); COMPARATIVE STUDY; DIABETES MELLITUS (metabolism); FEMALE; GLUCOSE TOLERANCE TEST; GLUCOSE (metabolism); HUMAN; INSULIN (secretion); MALE; MIDDLE AGE; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Palumbo PJ

METABOLIC PROBLEMS IN DIABETIC PATIENTS UNDERGOING RENAL TRANSPLANTATION. Palumbo PJ, Woods JE, Johnson WJ. *Service FJ Kidney Int [Suppl] 58-62, Oct 74 (Eng)*

ADULT; AGED; BLOOD PRESSURE; BLOOD SUGAR (metabolism); BODY WEIGHT; DIABETES MELLITUS, JUVENILE (complications); DIABETIC NEPHROPATHIES (surgery, metabolism, therapy); FEMALE; GLUCOSE (metabolism); GLYCOSURIA (etiology); HEMODIALYSIS (methods); HUMAN; INSULIN (therapeutic use); KIDNEY (transplantation); MALE; METHYLPREDNISOLONE (pharmacodynamics); MIDDLE AGE; TRANSPLANTATION, HOMOLOGOUS.

Paluszak J

[FACTORS REGULATING FREE FATTY ACID BLOOD LEVELS DURING POSTPRANDIAL LIPEMIA] Paluszak J *Pol Tyg Lek 30: 531-2, 24 Mar 75 (Pol)*

ADIPOSE TISSUE (metabolism); ANIMAL EXPERIMENTS; COMPARATIVE STUDY; DIETARY FATS (administration & dosage); DOGS; EATING; FASTING; FATTY ACIDS, NONESTERIFIED (blood); LIPIDS (blood); TIME FACTORS; TRIGLYCERIDES (metabolism).

Panchenko LF

[GLUCOSE TRANSPORT INTO MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII CELLS] Panchenko LF, Fedotov NS, Goriacheva LA, Tarshis MA *Dokl Akad Nauk SSSR 221: 487-9, 1975 (Rus)*

BIOLOGICAL TRANSPORT (drug effects); CARBON RADIOISOTOPES; CARBONYL CYANIDE M-CHLOROPHENYL HYDRAZONE (pharmacodynamics); CELL MEMBRANE (metabolism); DINITROPHENOLS (pharmacodynamics); GLUCOSE (metabolism); MERCURIBENZOATES (pharmacodynamics); MYOPLASMA LAIDLAWII (metabolism, drug effects); PENTACHLOROPHENOL (pharmacodynamics); ROTENONE (pharmacodynamics).

Panganamala RV

A SUGGESTED ROLE FOR HYDROGEN PEROXIDE IN THE BIOSYNTHESIS OF PROSTAGLANDINS. Panganamala RV, Sharma HM, Sprecher H, Geer JC, Cornwell DG *Prostaglandins 8: 3-11, 10 Oct 74 (Eng)*

ADENOSINE DIPHOSPHATE (pharmacodynamics); ANIMAL EXPERIMENTS; ARACHIDONIC ACIDS (metabolism); AZIDES (pharmacodynamics); CARBON RADIOISOTOPES; CATALASE (pharmacodynamics); CATTLE; CHLORPROMAZINE (pharmacodynamics); CHROMATOGRAPHY, THIN LAYER; DEPRESSION, CHEMICAL; HYDROGEN PEROXIDE (physiology); MALE; METHODS; MICROSOMES (drug effects, metabolism); PLATELET AGGREGATION (drug effects); PROSTAGLANDINS (biosynthesis); SEMINAL VESICLES (drug effects, metabolism); TIME FACTORS; TRIAZOLES (pharmacodynamics).

THE GROSS AND HISTOLOGIC APPEARANCE AND THE LIPID COMPOSITION OF NORMAL INTIMA AND LESIONS FROM HUMAN CORONARY ARTERIES AND AORTA. Panganamala RV, Geer JC, Sharma HM, Cornwell DG *Atherosclerosis 20: 93-104, Jul-Aug 74 (Eng)*

ADULT; AGE FACTORS; AGED; ANALYSIS OF VARIANCE; AORTA (anatomy & histology, pathology, analysis); ARTERIES (anatomy & histology, analysis, pathology); ATHEROSCLEROSIS (pathology); CHOLESTEROL (analysis); CORONARY VESSELS (anatomy & histology, pathology, analysis); ESTERS; FATTY STREAK,

ARTERIAL (pathology); HUMAN; LIPIDS (analysis); MIDDLE AGE; PHOSPHOLIPIDS (analysis); SEX FACTORS; TRIGLYCERIDES (analysis); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Pankov IuA

[STRUCTURE AND PROPERTIES OF HYPOPHYSEAL HORMONES. II. PROTEIN HORMONES OF THE HYPOPHYSIS] Pankov IuA *Probl Endokrinol (Mosk) 20: 104-14, May-Jun 74 (Rus) [78]*

AMINO ACID SEQUENCE; ANIMAL EXPERIMENTS; BINDING SITES; CATTLE; COMPARATIVE STUDY; FSH (pharmacodynamics); GLYCOPROTEINS (pharmacodynamics); HUMAN; LH (pharmacodynamics); MOLECULAR CONFORMATION; OPTICAL ROTATORY DISPERSION; PEPTIDE FRAGMENTS (analysis); PEPTIDES (analysis); PITUITARY GLAND (secretion); PITUITARY HORMONES (pharmacodynamics, analysis); PROLACTIN (pharmacodynamics); PROTEIN CONFORMATION; PROTEINS (pharmacodynamics); RATS; REVIEW; SHEEP; SOMATOTROPIN (pharmacodynamics); STRUCTURE-ACTIVITY RELATIONSHIP; SWINE; THYROTROPIN (pharmacodynamics).

Panner BJ

SPONTANEOUS REMISSION OF THE NEPHROTIC SYNDROME IN DIABETIC NEPHROPATHY. Pabico RC, Panner BJ, McKenna BA, Freeman RB *Am J Med 59: 434-43, Sep 75 (Eng)*

Panos J

[PROBLEM OF MYOCARDIAL INFARCT IN PATIENTS WITH DIABETES] Panos J, Pejchl S *Vnitř Lek 21: 778-83, Aug 75 (Cse)*

AGED; ANGINA PECTORIS (etiology); DIABETES MELLITUS (complications); DIABETIC ANGIOPATHIES (complications); ENGLISH ABSTRACT; FEMALE; HUMAN; MALE; MIDDLE AGE; MYOCARDIAL INFARCT (etiology).

Papa S

THE TRANSPORT OF MONOCARBOXYLIC OXOACIDS IN RAT LIVER MITOCHONDRIA. Paradies G, Papa S *FEBS Lett 52: 149-52, 15 Mar 75 (Eng)*

Paradies G

THE TRANSPORT OF MONOCARBOXYLIC OXOACIDS IN RAT LIVER MITOCHONDRIA. Paradies G, Papa S *FEBS Lett 52: 149-52, 15 Mar 75 (Eng)*

ACETOACETATES (metabolism); ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT, ACTIVE; BUTYRATES (metabolism); CAPROATES (metabolism); CARBOXYLIC ACIDS (metabolism); CINNAMATES (pharmacodynamics); HYDROXY ACIDS (pharmacodynamics); KETO ACIDS (metabolism); MALONATES (metabolism); MITOCHONDRIA, LIVER (metabolism, drug effects); NITRILES (pharmacodynamics); PYRUVATES (metabolism); RATS; VALERATES (metabolism).

Park CR

HORMONAL CONTROL OF CYCLIC 3:5-AMP LEVELS AND GLUCONEOGENESIS IN ISOLATED HEPATOCYTES FROM FED RATS. Pilks SJ, Claus TH, Johnson RA, Park CR *J Biol Chem 250: 6328-36, 25 Aug 75 (Eng)*

Park DJ

AN ANALYSIS OF THE KINETIC POSITIONS HELD BY FIVE ENZYMES OF CARBOHYDRATE METABOLISM IN DICTYOSTELIUM DISCOIDEUM. Wright BE, Park DJ *J Biol Chem 250: 2219-26, 25 Mar 75 (Eng)*

Parkin JV

LETTER: VAGOTOMY FOR DUODENAL ULCER. Faber RG, Parkin JV, Hobsley M *Br Med J 3: 436, 16 Aug 75 (Eng)*

Parsons WB Jr

HYPERLIPIDEMIA: TO TREAT OR NOT TO TREAT. Parsons WB Jr *Ariz Med 32: 323-8, Apr 75 (Eng)*

CEREBROVASCULAR DISORDERS (prevention & control); CHOLESTYRAMINE (therapeutic use); CLOFIBRATE (therapeutic use); CORONARY DISEASE (prevention & control); FEMALE; HUMAN; HYPERLIPIDEMIA (complications, diet therapy, drug therapy); HYPERTENSION (complications); MALE; NICOTINIC ACIDS (therapeutic use); RISK; SMOKING (complications); THYROXINE (therapeutic use).

Paranen S

HISTOCHEMICAL OBSERVATIONS ON UPTAKE OF L-DOPA INTO ENDOCRINE CELLS OF THE RAT PITUITARY GLAND DURING THE POSTNATAL DEVELOPMENT. Paranen S, Reichardt L, Back N *Cell Tissue Res 156: 451-61, 1975 (Eng)*

AGE FACTORS; ANIMAL EXPERIMENTS; CORTICOTROPIN (metabolism); FEMALE; FLUORESCENCE, FORMALDEHYDE; HISTOCYTOCHEMISTRY; LEVODOPA (metabolism); PEPTIDES (metabolism); PITUITARY GLAND (metabolism); PITUITARY GLAND, ANTERIOR (metabolism, growth & development, cytology); RATS; SEROTONIN (metabolism); SOMATOTROPIN (metabolism); TRYPTOPHAN (metabolism).

Parthasaradhi J

CEREBROSPINAL FLUID AND BLOOD SUGAR RATIO IN HEALTH AND DISEASE: DIAGNOSTIC AND PROGNOSTIC SIGNIFICANCE IN INTRACRANIAL INFECTIONS. Reddi YR, Rao VS, Parthasaradhi J, Laxman S *Indian Pediatr 12: 401-5, May 75 (Eng)*

Paterson M

BIOCHEMICAL PARAMETERS IN THE PATAS MONKEY. Paterson M *Lab Anim 9: 21-31, Jan 75 (Eng)*

ALANINE AMINOTRANSFERASE (blood); ALKALINE PHOSPHATASE (blood); ANIMAL EXPERIMENTS; ASPARTATE AMINOTRANSFERASE (blood); BILIRUBIN (urine); BLOOD PROTEINS (analysis); BLOOD SUGAR (analysis); CHOLESTEROL (blood); COMPARATIVE STUDY; FECES (analysis); FEMALE; HUMAN; MALE; MELANIN (analogs & derivatives); MONKEYS (metabolism); OXIDATION-REDUCTION; PORPHYRINS (analysis); POTASSIUM (blood); SODIUM (blood).

Patriarca P

STIMULATION OF GLUCOSE OXIDATION IN HUMAN POLYMORPHONUCLEAR LEUCOCYTES BY C3-SEPHAROSE AND SOLUBLE CS67. Tedesco F, Trani S, Soranzo MR, Patriarca P *FEBS Lett 51: 232-6, 1 Mar 75 (Eng)*

Patrino C

BEHAVIOR OF PANCREATIC GLUCAGON, INSULIN, AND GHG IN LIVER CIRRHOSIS, AFTER ARGININE AND I.V. GLUCOSE. Greco AV, Ghirlanda G, Patrino C, Fedili G, Manna R *Acta Diabetol Lat 11: 330-9, Jul-Aug 74 (Eng)*

Patyra S

[THE INFLUENCE OF COUMARIN ON THE FAT OF PLASMA OF COCKS FED ON AN ATHEROGENIC DIET (AUTHORS TRANSL.)] Kdziołka A, Patyra S, Rucinski T, Kostarz T *Ann Univ Mariae Curie Skłodowska [Med] 27: 123-9, 1972 (Pol)*

Diabetes Literature—Author Index

Paul M

Paul M

IMMUNOREACTIVE GLUCAGON RESPONSES TO INTRAVENOUS TOLBUTAMIDE IN CHRONIC PANCREATITIS. Kalk WJ, Vinik AI, Paul M, Leller P, Jackson WP *Diabetes* 24: 851-5, Sep 75 (Eng)

Paulson DF

HYPOTHALAMIC AND PITUITARY FUNCTION IN HYPOGONADOTROPIC HYPOGONADISM. Paulson DF, Wiebe HR, Hammond CB *Urology* 6: 333-6, Sep 75 (Eng)
ADULT; ANOSMIA (complications); FSH (metabolism); HUMAN; HYPOGONADISM (physiopathology, complications, drug therapy, metabolism); HYPOTHALAMUS (physiopathology); INSULIN (diagnostic use); LH (metabolism); LH-FSH RELEASING HORMONE (therapeutic use); MALE; PITUITARY GLAND (physiopathology); SOMATOTROPIN (metabolism).

Pav J

[POINT-SCORING SYSTEM FACILITATING EVALUATION OF THE ORAL GLUCOSE TOLERANCE TEST] Pav J, Pelant J *Cas Lek Cesk* 114: 731-4, 13 Jun 75 (Cze)
DIABETES MELLITUS (diagnosis); ENGLISH ABSTRACT; EVALUATION STUDIES; GLUCOSE TOLERANCE TEST (methods); HUMAN.

[RELATION BETWEEN GLUCOSE AND SODIUM ABSORPTION IN RENAL GLYCOSURIA (AUTHORS TRANSL)] Pav J, Sperl M *Cas Lek Cesk* 114: 939-41, 25 Jul 75 (Cze)

ADULT; ENGLISH ABSTRACT; FEMALE; GLYCOSURIA (diagnosis); GLYCOSURIA, RENAL (urine); HUMAN; MALE; MIDDLE AGE; SODIUM (urine).

Pavlova A

EFFECTS OF DIET AND EXERCISE ON CATECHOLAMINE EXCRETION. Sonka J, Kopecka J, Pavlova A, Zbirikova A, Stas J *Horm Metab Res* 6: 532, Nov 74 (Eng)

Pawlikowski M

[GROWTH HORMONE AND INSULIN CURVE FOLLOWING GLUCOSE LOADING IN PATIENTS WITH ACROMEGALY] Kolaszynski J, Owczarczyk I, Pawlikowski M *Endokrynol Pol* 26: 265-9, May-Jun 75 (Pol)

Peabody RA

DEPRESSED ENDOGENOUS FIBRINOLYTIC ACTIVITY IN ESSENTIAL HYPERTENSION. Tsapogas MJ, Peabody RA, Wu KT, Devaraj KT, Eckert C *J Cardiovasc Surg (Torino)* 15: 651-4, Nov-Dec 74 (Eng)

Pechar J

[METABOLIC RESPONSE TO NEW LIPID-LOWERING DIET (AUTHORS TRANSL)] Valek J, Kuhn E, Pechar J, Storkova H *Cas Lek Cesk* 113: 647-50, 31 May 74 (Cze)

Peck WA

UPTAKE OF 3-O-METHYL-14C-D-GLUCOSE BY RAT THYMIC LYMPHOCYTES: INSENSITIVITY TO CORTISOL AND INHIBITORS OF RIBONUCLEIC ACID AND PROTEIN SYNTHESIS, AND SENSITIVITY TO CYTOCHALASIN B. Feldman MJ, Kraetsch RE, Lichtman MA, Peck WA *J Reticuloendothel Soc* 16: 318-26, Dec 74 (Eng)

Pedersen JJ

BROWN ADIPOSE TISSUE MITOCHONDRIA. Flatmark T, Pedersen JJ *Biochim Biophys Acta* 416: 53-103, 31 Mar 75 (Eng) [226]

Pedersen PL

PHOSPHATE TRANSPORT IN RAT LIVER MITOCHONDRIA. MEMBRANE COMPONENTS LABELED BY N-ETHYLMAL-...

MIDE DURING INHIBITION OF TRANSPORT. Coty WA, Pedersen PL *J Biol Chem* 250: 3515-21, 10 May 75 (Eng)

Pedroso FI

ACTIVITIES OF SOME GLYCOLYTIC ENZYMES IN THE MAJOR SALIVARY GLANDS OF SOME LABORATORY ANIMALS. Nicolau J, Lansac MC, Rosa R, Pedroso FI, Leal A *Comp Biochem Physiol [A]* 47: 399-402, 1 Feb 74 (Eng)

Pejchl S

[PROBLEM OF MYOCARDIAL INFARCT IN PATIENTS WITH DIABETES] Panos J, Pejchl S *Vnitř Lek* 21: 778-83, Aug 75 (Cze)

Pelant J

[POINT-SCORING SYSTEM FACILITATING EVALUATION OF THE ORAL GLUCOSE TOLERANCE TEST] Pav J, Pelant J *Cas Lek Cesk* 114: 731-4, 13 Jun 75 (Cze)

Pelletier G

ULTRASTRUCTURAL STUDY OF THE UPTAKE OF PEROXIDASE BY THE RAT MEDIAN EMINENCE. Pelletier G, Dupont A, Puviani R *Cell Tissue Res* 156: 521-32, 1975 (Eng)
ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT; CEREBROSPINAL FLUID PROTEINS (metabolism); EPENDYMA (metabolism); HYPOTHALAMUS (metabolism); HYPOTHYSEAL SYSTEM (metabolism); INJECTIONS, INTRATHECAL; MEDIAN EMINENCE (metabolism, ultrastructure); NERVE ENDINGS (metabolism); NEUROGLIA (metabolism); PEROXIDASES (metabolism, administration & dosage); PITUITARY GLAND (metabolism); RATS.

Pena A

STUDIES ON THE MECHANISM OF K⁺ TRANSPORT IN YEAST. Pena A *Arch Biochem Biophys* 167: 397-409, Apr 75 (Eng)
ACETATES (pharmacodynamics); ADENOSINE TRIPHOSPHATE (pharmacodynamics, metabolism); BIOLOGICAL TRANSPORT, ACTIVE; BUTYRATES (pharmacodynamics); CHLORIDES (pharmacodynamics); DINITROPHENOLS (pharmacodynamics); FORMATES (pharmacodynamics); HYDROGEN-ION CONCENTRATION; KINETICS; POTASSIUM (metabolism); PROPIONATES (pharmacodynamics); RUBIDIUM (metabolism); SACCHAROMYCES CEREVISIAE (metabolism, drug effects); TIME FACTORS.

Penhos JC

PLASMA IMMUNOREACTIVE INSULIN (IRI) AND IMMUNOREACTIVE GLUCAGON (IRG) AFTER EVISCERATION WITH AND WITHOUT A FUNCTIONAL LIVER. Penhos JC, Ezequiel M, Lepp A, Ramey ER *Diabetes* 24: 637-40, Jul 75 (Eng)

ANIMAL; BLOOD SUGAR (metabolism); GASTRECTOMY; GASTROINTESTINAL SYSTEM (physiology); GLUCAGON (blood); INSULIN (blood, immunology); LIVER (physiology); MALE; PANCREAS (physiology); RATS; SPLEEN (physiology); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Penny R

BEHCETS SYNDROME: CLINICAL, IMMUNOLOGICAL AND THERAPEUTIC EVALUATION OF 17 PATIENTS. Cooper DA, Penny R *Aust NZ J Med* 4: 585-96, Dec 74 (Eng)

Peregudov Ala

[MODERN THERAPY OF DIABETES MELLITUS IN OBESE PATIENTS] Liashko K, Severova TM, Peregudov Ala, Sergeev OI *Sov Med* 106-10, Jun 75 (Rus)

Peret J

[INFLUENCE OF DIET, CORTISONE AND INSULIN ON VARIATIONS IN ENZYME ACTIVITY OF PYRUVATE CARBOXYLASE (EC 6.4.1.1) AND PHOSPHOENOLPYRUVATE CARBOXYKINASE (EC 4.1.1.32) IN RAT LIVER] Peret J, Chanez M *C R Acad Sci [D]* (Paris) 279: 2095-8, 23 Dec 74 (Fre)
ANIMAL; CASEIN; CORTICOSTERONE (pharmacodynamics); DIET; EGG YOLK; FASTING; GLUTEN; INSULIN (pharmacodynamics); LIVER (enzymology, drug effects); PHOSPHOENOLPYRUVATE CARBOXYKINASE (metabolism); PROTEIN DEFICIENCY; PYRUVATE CARBOXYLASE (metabolism); RATS.

Perez JF

[CARDIOVASCULAR COMPLICATIONS OF HYPEROSMOLAR DIABETIC COMA. STUDY OF 4 CASES] Ramon JS, Daroca JC, Perez JF, Frances JM, Gorina AB *Rev Clin Esp* 137: 521-6, 30 Jun 75 (Spa)

Perrelet A

SYMPOSIUM III: HORMONES AND HORMONE RECEPTORS. A MORPHOLOGICAL APPROACH TO SURFACE RECEPTORS IN ISLET AND LIVER CELLS. Orci L, Rufenner C, Malaisse-Lagae F, Blondel B, Amherdt M, Bataille D, Freychet P, Perrelet A *Isr J Med Sci* 11: 639-55, Jul 75 (Eng)

A MORPHOLOGICAL BASIS FOR INTERCELLULAR COMMUNICATION BETWEEN ALPHA- AND BETA-CELLS IN THE ENDOCRINE PANCREAS. Orci L, Malaisse-Lagae F, Ravazzola M, Rouiller D, Renold AE, Perrelet A, Unger R *J Clin Invest* 56: 1066-70, Oct 75 (Eng)

Perris AD

REQUIREMENTS FOR DIVALENT CATIONS BY HORMONAL MITOGENS AND THEIR INTERACTIONS WITH SEX STEROIDS. Morgan JJ, Hall AK, Perris AD *Biochem Biophys Res Commun* 66: 188-94, 2 Sep 75 (Eng)

Persson B

TREATMENT OF DIABETIC PREGNANCY. Persson B *Isr J Med Sci* 11: 609-16, Jun 75 (Eng)
BLOOD SUGAR (analysis); DIABETIC DIET; FEMALE; HUMAN; INSULIN (therapeutic use); PREGNANCY IN DIABETES (therapy, metabolism); PREGNANCY; PRENATAL CARE.

Perzanowski A

THE BEHAVIOUR OF THE PLATELET-LEUKOCYTE AGGREGATION IN THROMBOTIC CONDITIONS. Bielawiec M, Kiernowska-Rogowska B, Mysliwiec M, Perzanowski A *Folia Haematol (Leipz)* 102: 220-9, 1975 (Eng)

Peters HH

PROTECTION OF RENAL PHOSPHOENOLPYRUVATE CARBOXYKINASE AGAINST DEGRADATION IN VITRO BY ATP, CYCLIC AMP AND AMINO ACIDS. Seubert W, Peters HH, Boie-Nath A *Biochem Biophys Res Commun* 63: 36-42, 3 Mar 75 (Eng)

Petricciani JC

CONCENTRATIVE ACCUMULATION (ACTIVE TRANSPORT) OF 2-DEOXY-D-GLUCOSE IN PRIMATE FIBROBLASTS. Tsaboi KK, Petricciani JC *Biochem Biophys Res Commun* 62: 587-93, 3 Feb 75 (Eng)

Petrides P

[ACUTE SITUATIONS AND SOCIOMETRIC PROBLEMS IN DIABETES MELLITUS] Petrides P *Med Welt* 26: 1582-5, 5 Sep 75 (Ger)
ADOLESCENCE; CEREBROVASCULAR DISORDERS (complications); DIABETES MELLITUS (complications); DIABETIC COMA; EMERGENCIES; FEMALE; HUMAN; MALE;

MIDDLE AGE; MYOCARDIAL INFARCT (complications); PULMONARY EMBOLISM (complications); SHOCK (etiology); SOCIAL PROBLEMS.

Petrovski K

[VIRAL HEPATITIS AND DIABETES MELLITUS] Trunevska B, Mironski S, Karovski K, Plasevski A, Petrovski K *God Zb Med Fak Skopje* 17: 407-13, 1971 (Ser)

Peyman GA

HISTOPATHOLOGY AFTER VITRECTOMY WITH THE VITROPHAGE. Weinberg RS, Peyman GA, Apple DJ *Albrecht von Graefes Arch Klin Ophthalmol* 196: 133-42, 6 Aug 75 (Eng)

Peytremann A

ANALYSIS OF THE REQUIREMENTS FOR PARATHYROID HORMONE ACTION IN RENAL MEMBRANES WITH THE USE OF INHIBITING ANALOGUES. Goltzmann D, Peytremann A, Callahan E, Tregear GW, Potts JT Jr *J Biol Chem* 250: 3199-203, 25 Apr 75 (Eng)

Picon L

[EFFECT OF INSULIN AND DIABETES ON NON-ESTERIFIED FATTY ACID PLASMA LEVELS IN FETUS AND NEWBORN RAT] Picon L, Irontelle MM, Prudont G *C R Acad Sci [D] (Paris)* 279: 2067-9, 23 Dec 74 (Fre)
ANIMAL; ANIMALS, NEWBORN; DIABETES MELLITUS (blood, chemically induced); FATTY ACIDS, NONESTERIFIED (blood); FEMALE; FETUS; INSULIN (pharmacodynamics); MALE; PREGNANCY; RATS; STREPTOZOTOCIN.

Pieper I

CATABOLISM OF PROINSULIN AND INSULIN. PROTEOLYTIC ACTIVITIES IN LANGERHANS ISLETS OF RAT AND MICE PANCREAS IN VITRO. Zuhlke H, Jahr H, Schmidt S, Gottschling D, Wilke B, Kansy H, Kaleta C, Pieper I *Acta Biol Med Ger* 33: 407-18, 1974 (Eng)

Piers DA

INSULIN ANTIBODY FORMATION DURING LONG-TERM TREATMENT WITH MONOCOMPONENT AND MONOSPECIES INSULIN. Piers DA, Sluiter WJ, Reitsma WD, Doorenbos H *Neth J Med* 17: 234-8, 1974 (Eng)
ANIMAL; ANTIBODY FORMATION; BINDING SITES, ANTIBODY (analysis); COMPARATIVE STUDY; DIABETES MELLITUS (immunology, drug therapy); GUINEA PIGS; HUMAN; INSULIN ANTIBODIES; INSULIN, LENTE (immunology, therapeutic use); SWINE; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Pietrowa R

[BLOOD INSULIN IN VIRAL HEPATITIS] Pietrowa R, Torzecka W, Fabianowski J, Stempien R, Polakowski P *Pol Tyg Lek* 30: 1385-8, 25 AUG 75 (Pol)
ACUTE DISEASE; ADOLESCENCE; ADULT; ENGLISH ABSTRACT; FEMALE; HEPATITIS, INFECTIOUS (blood); HUMAN; INSULIN (blood); MALE.

Pietras RJ

STEROID HORMONE-RESPONSIVE, ISOLATED ENDOMETRIAL CELLS. Pietras RJ, Szego CM *Endocrinology* 96: 946-54, Apr 75 (Eng)
ALDOSTERONE (pharmacodynamics); ANIMAL EXPERIMENTS; BLADDER (drug effects); CARBON DIOXIDE (metabolism); CASTRATION; DOSE-RESPONSE RELATIONSHIP, DRUG; ENDOMETRIUM (metabolism, cytology); ESTRADIOL (pharmacodynamics); FEMALE; GLUCOSE (metabolism); HYDROCORTISONE

(pharmacodynamics); OVARY (physiology); RATS; SODIUM (metabolism); STIMULATION, CHEMICAL; TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; WATER-ELECTROLYTE BALANCE.

Pigareva ZD

[ROLE OF SPECIFIC IMPULSES IN THE POST-NATAL FORMATION OF CHEMICAL ACTIVITY IN MICROSTRUCTURES OF THE ANIMAL BRAIN VISUAL ANALYZER] Pigareva ZD *Usp Sovrem Biol* 79: 48-63, Jan-Feb 75 (Rus) [97]

ACETYLCHOLINESTERASE (metabolism); ADENOSINE TRIPHOSPHATASE (metabolism); AMINO ACIDS (metabolism); AMINOCAPROIC ACIDS (metabolism); ANIMAL EXPERIMENTS; AXOPLASMIC FLOW; CATECHOLAMINES (metabolism); CATS; DNA (metabolism); DOPAMINE (metabolism); ENERGY METABOLISM; FROGS; GENICULATE BODIES (metabolism); GLUCOSE (metabolism); GLYCOGEN (metabolism); HEXOKINASE (metabolism); MICE; MONKEYS; NERVE TISSUE PROTEINS (metabolism); NEURAL ANALYZERS (physiology, growth & development); RABBITS; RATS; RETINA (metabolism); REVIEW; RNA (metabolism); SCOTOPHOBIN (metabolism); SENSORY DEPRIVATION; SEROTONIN (metabolism); VISION; VISUAL CORTEX (physiology, growth & development).

Pilkis SJ

HORMONAL CONTROL OF CYCLIC 3:5-AMP LEVELS AND GLUCONEOGENESIS IN ISOLATED HEPATOCYTES FROM FED RATS. Pilkis SJ, Claus TH, Johnson RA, Park CR *J Biol Chem* 250: 6328-36, 25 Aug 75 (Eng)
ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ADENYL CYCLASE (metabolism); ANIMAL; CALCIUM (pharmacodynamics); CELL MEMBRANE (metabolism, drug effects); ENZYME ACTIVATION (drug effects); EPINEPHRINE (pharmacodynamics); EGTA (pharmacodynamics); FLUORIDES (pharmacodynamics); GLUCAGON (pharmacodynamics); GLUCONEOGENESIS (drug effects); INSULIN (pharmacodynamics); LIVER (metabolism, drug effects); MAGNESIUM (pharmacodynamics); MALE; MANGANESE (pharmacodynamics); PROBENECID (pharmacodynamics); RATS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

LIVER MEMBRANE ADENYLATE CYCLASE. SYNERGISTIC EFFECTS OF ANIONS ON FLUORIDE, GLUCAGON, AND GUANYL NUCLEOTIDE STIMULATION. Johnson RA, Pilkis SJ, Hamet P *J Biol Chem* 250: 6599-607, 25 Aug 75 (Eng)

Pillion DJ

THE EFFECT OF DIAMIDE AND GLUTATHIONE ON THE UPTAKE OF ALPHA-METHYL-D-GLUCOSIDE BY SLICES OF RAT KIDNEY CORTEX. Pillion DJ, Leibach FH *Biochim Biophys Acta* 382: 246-52, 13 Mar 75 (Eng)

AMIDES (pharmacodynamics); ANIMAL EXPERIMENTS; AZO COMPOUNDS (pharmacodynamics); BIOLOGICAL TRANSPORT; DITHIOHREITOL (pharmacodynamics); FEMALE; FORMAMIDES (pharmacodynamics); GLUCOSE (metabolism); GLUTATHIONE (pharmacodynamics); IN VITRO; KIDNEY CORTEX (metabolism); KINETICS; MERCAPTOETHANOL (pharmacodynamics); METHYLGLUCOSIDES (metabolism); METHYLGLYCOSIDES (metabolism); RATS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Pin L

CLINICAL EXPERIENCE WITH HYPEROSMOLAR NON-KETOTIC DIABETIC COMA. Pin L, Tan MG *Singapore Med J* 16: 147-9, Jun 75 (Eng)
ADULT; DIABETIC COMA (etiology, diagnosis); FEMALE; HUMAN; MALE.

Pinchas I

[LOSS OF CONSCIOUSNESS IN A DIABETIC PATIENT] Shaklai M, Pinchas I, De-Vries A *Harefuah* 88: 536, 1 Jun 75 (Heb)

Plagemann PG

CYCLIC AMP, MEMBRANE TRANSPORT AND CELL DIVISION. I. EFFECTS OF VARIOUS CHEMICALS ON CYCLIC AMP LEVELS AND RATE OF TRANSPORT OF NUCLEOSIDES, HYPOXANTHINE AND DEOXYGLUCOSE IN SEVERAL LINES OF CULTURED CELLS. Sheppard JR, Plagemann PG *J Cell Physiol* 85: 163-72, Apr 75 (Eng)

Plantin LO

SYNTHESIS OF SERUM ALBUMIN IN ISOLATED RAT LIVER PERFUSED BY A SYNTHETIC MEDIUM WITH FLUOROCARBON FC-80 EMULSION AS OXYGEN CARRIER. Novakova V, Birke G, Plantin LO *Acta Physiol Scand* 92: 289-302, Nov 74 (Eng)

Plasevski A

[VIRAL HEPATITIS AND DIABETES MELLITUS] Trunevska B, Mironski S, Karovski K, Plasevski A, Petrovski K *God Zb Med Fak Skopje* 17: 407-13, 1971 (Ser)

Platilova H

[HYPERLIPIDEMIA AND HYPERLIPOPROTEINEMIA AMONG THE RELATIVES OF DIABETIC PATIENTS] Valek J, Grafnetter D, Slabochova Z, Platilova H *Acta Cech* 114: 837-40, 4 Jul 75 (Cze)

Plonk JW

GLUCOSE INTOLERANCE IN THE CARCINOID SYNDROME. Feldman JM, Plonk JW, Bivens CH, Lebovitz HE *Diabetes* 24: 664-71, Jul 75 (Eng)

Plotnick LP

CIRCADIAN VARIATION OF INTEGRATED CONCENTRATION OF GROWTH HORMONE IN CHILDREN AND ADULTS. Plotnick LP, Thompson RG, Kowarski A, de Lacerda L, Migeon CJ, Blizzard RM *Nature* 253: 240-7, 13 Feb 75 (Eng)
ADOLESCENCE; ADULT; AGE FACTORS; ANALYSIS OF VARIANCE; CATHETERIZATION; CHILD; CHILD, PRESCHOOL; CIRCADIAN RHYTHM; EATING; FEMALE; HALF-LIFE; HUMAN; IMMUNOASSAY; MALE; SLEEP; SOMATOTROPIN (secretion, blood); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Podack ER

ON THE MECHANISM AND CONTROL OF THE MALONYL-COA-DEPENDENT CHAIN ELONGATION OF FATTY ACIDS. THE MALONYL-TRANSFER REACTION. Podack ER, Saathoff G, Seubert Eur J Biochem 50: 237-43, 16 Dec 74 (Eng)

ACYLTRANSFERASES (metabolism); ANIMAL EXPERIMENTS; BINDING, COMPETITIVE; COENZYME A (metabolism); ETHYLMALIMIDE (pharmacodynamics); FATTY ACID SYNTHETASE COMPLEX (metabolism); IODOACETATES (pharmacodynamics); KINETICS; MALONATES (metabolism); MICROSOES, LIVER (enzymology); PANTOTHENIC ACID; RATS.

Podos SM

Podos SM

CYCLIC NUCLEOTIDE METABOLISM IN THE RETINA. Bensinger RE, Podos SM *Invest Ophthalmol* 14: 263-6, Apr 75 (Eng)

Pohl S

STIMULATION OF RAT LIVER ADENYLATE CYCLASE BY HALOTHANE. Rosenberg H, Pohl S *Life Sci* 17: 431-4, 1 Aug 75 (Eng)

Polakowski P

[BLOOD INSULIN IN VIRAL HEPATITIS] Pieterowa R, Torzecka W, Fabianowski J, Stempien R, Polakowski P *Pol Tyg Lek* 30: 1385-8, 25 AUG 75 (Pol)

Pollow B

[MICROSOME-ASSOCIATED 17BETA-HYDROXYSTEROID DEHYDROGENASES OF HUMAN PLACENTA, II KINETIC STUDIES AND CHARACTERIZATION OF THE SOLUBILIZED ESTRADIOL-AND TESTOSTERONE-SENSITIVE 17BETA-HSD-ACTIVITIES] Pollow K, Runge W, Pollow B *Z Naturforsch [C]* 30: 17-24, Jan-Feb 75 (Ger)

Pollow K

[MICROSOME-ASSOCIATED 17BETA-HYDROXYSTEROID DEHYDROGENASES OF HUMAN PLACENTA, II KINETIC STUDIES AND CHARACTERIZATION OF THE SOLUBILIZED ESTRADIOL-AND TESTOSTERONE-SENSITIVE 17BETA-HSD-ACTIVITIES] Pollow K, Runge W, Pollow B *Z Naturforsch [C]* 30: 17-24, Jan-Feb 75 (Ger)

ANDROSTENEDIONE; ENGLISH ABSTRACT; ESTRADIOL; ESTRONE; HUMAN; HYDROXYSTEROID DEHYDROGENASES (metabolism); ISOELECTRIC FOCUSING; MICROSOMES (enzymology); NAD; NADP; OXIDATION-REDUCTION; PHOSPHOLIPASE (pharmacodynamics); PLACENTA (enzymology); PROGESTERONE; SOLUBILITY; TEMPERATURE; TESTOSTERONE; TIME FACTORS.

Polnaszek CF

THE FLUIDITY AND ORGANIZATION OF MITOCHONDRIAL MEMBRANE LIPIDS OF THE BROWN ADIPOSE TISSUE OF COLD-ADAPTED RATS AND HAMSTERS AS DETERMINED BY NITROXIDE SPIN PROBES. Cannon B, Polnaszek CF, Butler KW, Eriksson LE, Smith IC *Arch Biochem Biophys* 167: 505-18, Apr 75 (Eng)

Poltorak VV

[THE ROLE OF THE ADRENORECEPTORS IN SEVERAL ORGANS IN REGULATING CARBOHYDRATE AND LIPID METABOLISM] Henes SH, Poltorak VV *Fiziol Zh* 20: 831-40, Nov-Dec 74 (Ukr) [126]

Pompiani-Miniac L

[PREOPERATIVE MEDICAL SURVEY AND THE DENTISTS RESPONSIBILITY] Pompiani-Miniac L *Rev Odontostomatol (Paris)* 3: 199-205, May 74 (Fre)

ALCOHOLISM (diagnosis); BLOOD COAGULATION DISORDERS (diagnosis); CARDIOVASCULAR DISEASES (diagnosis); DIABETES MELLITUS (diagnosis); DRUG HYPERSENSITIVITY (diagnosis); DRUG INCOMPATIBILITY; HUMAN; LEGISLATION, MEDICAL; MEDICAL HISTORY TAKING; POSTOPERATIVE COMPLICATIONS (prevention & control); SURGERY, ORAL.

Poorthuis BJHM

BIS(MONOACYLGLYCERYL)PHOSPHATE AND ACYLPHOSPHATIDYLGLYCEROL IN RAT LIVER MITOCHONDRIAL. Poorthuis BJHM, Hostetter KY *J Biol Chem* 250: 3297-302, 10 May 75 (Eng)

Diabetes Literature—Author Index

ANIMAL EXPERIMENTS; BEES; CHROMATOGRAPHY, THIN LAYER; CYTIDINE DIPHOSPHATE DIGLYCERIDES (metabolism); GLYCEROPHOSPHATES (metabolism); MALE; MITOCHONDRIA, LIVER (metabolism); PHOSPHATIDYL GLYCEROLS (biosynthesis); PHOSPHOLIPASE; PHOSPHOLIPIDS (biosynthesis); RATS; TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Popa M

[SOMATOTROPIN INSUFFICIENCY. I. METABOLIC AND HORMONAL DISORDERS] Popa M *Stud Cercet Endocrinol* 23: 219-34, 1972 (Rum) [87]

ADRENAL CORTX HORMONES (secretion); ALDOSTERONE (secretion); CARBOHYDRATES (metabolism); CORTICOTROPIN (secretion); DWARFISM, PITUITARY; ENERGY METABOLISM; GLUCAGON (secretion); GROWTH; HORMONES (secretion); HUMAN; HYPOPITUITARISM (complications, drug therapy); INSULIN (secretion); LIPIDS (metabolism); METABOLIC DISEASES (etiology); PITUITARY DISEASES (complications, physiopathology); PITUITARY GLAND FUNCTION TESTS; PROTEINS (metabolism); REVIEW; SOMATOTROPIN (deficiency); THYROID HORMONES (secretion); THYROTROPIN (secretion).

Popescu AA

A MODEL OF A PHYSICO-CHEMICAL COUPLING OF BIOLOGICAL INTEREST. Popescu AI, Popescu AA *Bull Math Biol* 37: 51-7, Mar 75 (Eng)

Popescu AI

A MODEL OF A PHYSICO-CHEMICAL COUPLING OF BIOLOGICAL INTEREST. Popescu AI, Popescu AA *Bull Math Biol* 37: 51-7, Mar 75 (Eng)

CAPILLARIES; CELL MEMBRANE PERMEABILITY; CHEMISTRY, PHYSICAL; DIFFUSION; MATHEMATICS; MEMBRANE POTENTIALS; MODELS, BIOLOGICAL.

Popovich S

[CARCINOMA OF THE ADRENAL CORTX] Dzhurin DS, Michin IV, Popovich S, Manoilovich DL, Dzhordzhevich P *Monokroin (Mosk)* 20: 51-6, May-Jun 74 (Rus)

Porawska J

[EFFECT OF GLUCAGON ON INSULIN SECRETION IN ACUTE VIRAL HEPATITIS] Kiczka W, Juszczyk J, Adamek J, Kosowicz J, Porawska J *Pol Tyg Lek* 30: 1295-8, 4-11 Aug 75 (Pol)

Portnova SL

THE ENNIATIN IONOPHORES. CONFORMATION AND ION BINDING PROPERTIES. Ovchinnikov YA, Ivanov VT, Evstratov AV, Mikhaleva II, Bystrov VF, Portnova SL, Balashova TA, Meshcheryakova EN, Tulchinsky VM *Int J Pept Protein Res* 6: 465-98, 1974 (Eng)

Porwit-Bohr Z

SOME BIOLOGICAL FUNCTIONS OF ANIMAL CELL SURFACE SIALIC ACID RESIDUES. Porwit-Bohr Z, Slowik M *Folia Histochem Cytochem (Krakow)* 12: 335-41, 1974 (Eng) [73]

ANIMAL EXPERIMENTS; CELL MEMBRANE (physiology, ultrastructure); ERYTHROCYTES (physiology); HUMAN; INFLUENZA VIRUSES (pathogenicity); LYMPHOCYTE TRANSFORMATION; LYMPHOCYTES (physiology, ultrastructure); MICE, INBRED CBA; MUCOPOLYSACCHARIDES (physiology); NEURAMINIDASE; RECEPTORS, DRUG; REVIEW; SIALIC ACIDS (physiology);

SURFACE PROPERTIES; VIBRIO COMMA (enzymology).

Posner NA

CHANGES IN CARBOHYDRATE TOLERANCE DURING LONG-TERM ORAL CONTRACEPTION. Posner NA, Silverstone FA, Tobin EH, Breuer J *Am J Obstet Gynecol* 123: 119-27, 15 Sep 75 (Eng)

ADULT; BLOOD SUGAR (metabolism); DIABETES MELLITUS (diagnosis, chemically induced); DRUG COMBINATIONS; DRUG EVALUATION; ETHYNIOL DIACETATE (adverse effects, administration & dosage); FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; MESTRANOL (adverse effects, administration & dosage); PREDIABETIC STATE (diagnosis); TIME FACTORS.

Potter LT

STRUCTURE-FUNCTION RELATIONSHIPS IN EXCITABLE MEMBRANES. Landowne D, Potter LT, Terrar DA *Annu Rev Physiol* 37: 485-508, 1975 (Eng) [134]

Potts JT Jr

MICROTUBULES AND THE INTRACELLULAR CONVERSION OF PROPARATHYROID HORMONE TO PARATHYROID HORMONE. Kemper B, Habener JF, Rich A, Potts JT Jr *Endocrinology* 96: 903-12, Apr 75 (Eng)

ANALYSIS OF THE REQUIREMENTS FOR PARATHYROID HORMONE ACTION IN RENAL MEMBRANES WITH THE USE OF INHIBITING ANALOGUES. Goltzmann D, Peytremann A, Callahan E, Tregear GW, Potts JT Jr *J Biol Chem* 250: 3199-203, 25 Apr 75 (Eng)

Power GG

PLACENTAL DIFFUSING CAPACITY IN UNANESTHETIZED RABBITS. Rocco E, Bennett TR, Power GG *Am J Physiol* 228: 465-9, Feb 75 (Eng)

Pozza G

MISUNDERSTANDING OR ERROR THE UGDP REPORT AFTER FOUR YEARS. Marigo S, Adezati L, Burnett P, Pozza G, Robba L, Urbini G *Acta Diabetol Lat* 11: 357-422, Sep - Oct 74 (Eng) [83]

Prager P

[THE EMPHYSEMATOUS CHOLECYSTITIS] Prager P, Schneider H *Fortschr Geb Roentgenstr Nuklearmed* 122: 563-5, Jun 75 (Ger)

AGE FACTORS; AIR; BILE (microbiology); CHOLECYSTITIS (radiography, etiology); CHOLELITHIASIS (complications); DIABETES MELLITUS (complications); DIAGNOSIS, DIFFERENTIAL; EMPHYSEMA (radiography, etiology); ESCHERICHIA COLI (isolation & purification); FEMALE; HUMAN; MALE; MIDDLE AGE; PROGNOSIS; SEX FACTORS; STREPTOCOCCUS (isolation & purification); TIME FACTORS.

Preda I

NOREPINEPHRINE CONCENTRATION IN HEART MUSCLE AND HYPOTHALAMUS DURING ACIDOSIS IN THE RAT. Karpai P, Preda I, Endrooczi E *Acta Physiol Acad Sci Hung* 43: 315-20, 1973 (Eng)

Preszczynski M

[LIVER BIOPSY IN DIABETICS] Preszczynski M, Torzecki Z, Torzecka W, Mroszczyk M *Pol Tyg Lek* 30: 1355-6, 18 Aug 75 (Pol)

BIOPSY; DIABETES MELLITUS (pathology); ENGLISH ABSTRACT; HUMAN; LIVER (pathology).

Prudhon M

[EVOLUTION OF DIFFERENT TYPES OF ADIPOSE DEPOSITS AFTER BIRTH IN NOR-

MAL OR HYPOPHYSECTOMIZED SHEEP MERINOS DARLES] Vezinhet A, Prudhon M, Benevent M *Ann Biol Anim Biochim Biophys* 14: 117-29, 1974 (Fre)

Prudent G

[EFFECT OF INSULIN AND DIABETES ON NON-ESTERIFIED FATTY ACID PLASMA LEVELS IN FETUS AND NEWBORN RAT] Picon L, Irondele MM, Prudent G *C R Acad Sci [D]* (Paris) 279: 2067-9, 23 Dec 74 (Fre)

Purwar RS

OBSERVATIONS ON THE INTRINSIC INNERVATION OF THE ISLET OF LANGERHANS OF RATTUS RATTUS RUFESCENS (INDIAN BLACK RAT). Purwar RS *Acta Anat (Basel)* 92: 8-13, 1975 (Eng)

ANIMAL; GANGLIA (anatomy & histology); ISLANDS OF LANGERHANS (innervation); NERVE ENDINGS (cytology); NERVE FIBERS, MYELINATED (cytology); RATS.

Puviani R

ULTRASTRUCTURAL STUDY OF THE UPTAKE OF PEROXIDASE BY THE RAT MEDIAN EMINENCE. Pelletier G, Dupont A, Puviani R *Cell Tissue Res* 156: 521-32, 1975 (Eng)

Pyzik A

[EFFECT OF GLUCAGON ON THE LEFT VENTRICULAR FUNCTION IN PATIENTS WITH CONGESTIVE HEART FAILURE (AUTHORS TRANSL)] Dubiel JS, Pyzik A, Szczeklik J, Dubiel JP, Cibor E *Przegl Lek* 32: 662-8, 1975 (Pol)

Quarisa B

CLINICAL EVALUATION OF TIBRIC ACID (CP 18,524) A NEW HYPOLIPIDEMIC AGENT. Sirtori CR, Zoppi S, Quarisa B, Agradi E *Pharmacol Res Commun* 6: 445-56, Oct 74 (Eng)

Quie PG

INTERACTION OF STAPHYLOCOCCUS AUREUS WITH HUMAN POLYMORPHONUCLEAR LEUKOCYTES. Quie PG, Davis AT *Contrib Microbiol Immunol* 1: 195-201, 1973 (Eng)

ADENOSINE TRIPHOSPHATE (metabolism); BACTERIAL PROTEINS (metabolism); BLOOD BACTERICIDAL ACTIVITY; CHEDIAK-HIGASHI SYNDROME (immunology); CHILD; GLUCOSE (metabolism); GRANULOMATOUS DISEASE, CHRONIC (immunology); HALOGENS (metabolism); HUMAN; HYDROGEN PEROXIDE (metabolism); HYDROGEN-ION CONCENTRATION; MICROSCOPY, ELECTRON; MURAMIDASE (metabolism); NEUTROPHILS (immunology, ultrastructure, metabolism); OXYGEN CONSUMPTION; PEROXIDASES (metabolism); PHAGOCYTOSIS; STAPHYLOCOCCUS (immunology); VACUOLES (microbiology, metabolism).

Rabinovitch A

DEFECTIVE INSULIN SECRETION IN THE SPINY MOUSE (ACOMYS CAHIRINUS). POSSIBLE VALUE IN THE STUDY OF THE PATHOPHYSIOLOGY OF DIABETES. Rabinovitch A, Gutzeit A, Grill V, Kikuchi M, Renold AE, Cerasi E *Isr J Med Sci* 11: 730-7, Jul 75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (biosynthesis); ANIMAL; BLOOD SUGAR (analysis); COMPARATIVE STUDY; DIABETES MELLITUS (metabolism); DISEASE MODELS, ANIMAL; DOSE-RESPONSE RELATIONSHIP, DRUG; GLUCOSE (pharmacodynamics, administration & dosage); IN VITRO; INJECTIONS, INTRAVENOUS; INSULIN (secretion, blood); ISLANDS OF LANGERHANS (drug effects, metabolism); MICE (metabolism); RATS; RODENT DISEASES (metabolism); SECRETORY RATE (drug effects); TRITIUM.

Rabkin M

[INDICATORS OF THE CONDITION OF CONNECTIVE TISSUE AND THE ACTIVITY OF THE PENTOSE CYCLE OF GLUCOSE METABOLISM IN PATIENTS WITH DIABETES MELLITUS] Dozoretz IuL, Okorokov AN, Bobkov Vla, Rabkin M *Sov Med* 57-60, Jun 75 (Rus)

Racker E

PHOSPHATE TRANSPORT IN SUBMITOCHONDRIAL PARTICLES. Rhodin TR, Racker E *Biochem Biophys Res Commun* 61: 1207-12, 23 Dec 74 (Eng)

Rakow L

[PROCEEDINGS: CELL NUCLEUS PICTURE OF FAT CELLS UNDER VARIOUS FUNCTIONAL CONDITION] Rakow L *Verh Dtsch Ges Pathol* 57: 401, 1973 (Ger)

ADIPOSE TISSUE (cytology); ANIMAL EXPERIMENTS; CELL NUCLEUS (ultrastructure); MICE; STARVATION (pathology).

Rall TW

HORMONAL REGULATION OF INCORPORATION OF ALANINE-U-14C INTO GLUCOSE IN HUMAN FETAL LIVER EXPLANTS. EFFECT OF DIBUTYRYL CYCLIC AMP, GLUCAGON, INSULIN, AND TRIAMCINOLONE. Schwartz AL, Rall TW *Diabetes* 24: 650-7, Jul 75 (Eng)

Ralovich B

PHYSIOLOGICAL EFFECT OF ORALLY ADMINISTERED ENDOTOXIN TO MAN. Emody L, Ralovich B, Barna K, Brasch G, Ternak G *J Hyg Epidemiol Microbiol Immunol (Praha)* 18: 454-8, 1974 (Eng)

Ramey ER

PLASMA IMMUNOREACTIVE INSULIN (IRI) AND IMMUNOREACTIVE GLUCAGON (IRG) AFTER EVISCERATION WITH AND WITHOUT A FUNCTIONAL LIVER. Penhos JC, Ezequiel M, Lepp A, Ramey ER *Diabetes* 24: 637-40, Jul 75 (Eng)

Ramon JS

[CARDIOVASCULAR COMPLICATIONS OF HYPEROSMOLAR DIABETIC COMA. STUDY OF 4 CASES] Ramon JS, Daroca JC, Perez JF, Frances JM, Gorina AB *Rev Clin Esp* 137: 521-6, 30 Jun 75 (Spa)

AGED; CASE REPORT; DIABETIC ANGIOPATHIES (diagnosis); DIABETIC COMA (complications); ENGLISH ABSTRACT; FEMALE; HUMAN; MALE; MIDDLE AGE; OSMOLAR CONCENTRATION.

Ranc-Bukowska E

THE EFFECT OF PHYSICAL EXERCISE ON GLYCOGEN METABOLISM IN THE RAT LIVER. Bobilewicz D, Ranc-Bukowska E, Obuchowicz B *Acta Physiol Pol* 25: 29-38, Jan-Feb 74 (Eng)

Rancourt J

[PEMPHIGUS AND AZATHIOPRINE] Rancourt J, Lassonde M *Un Med Can* 104: 252-5, Feb 75 (Fre)

AGED; AZATHIOPRINE (therapeutic use); DIABETES MELLITUS (complications); ENGLISH ABSTRACT; HUMAN; MALE; PEMPHIGUS (drug therapy, complications).

Rao VS

CEREBROSPINAL FLUID AND BLOOD SUGAR RATIO IN HEALTH AND DISEASE: DIAGNOSTIC AND PROGNOSTIC SIGNIFICANCE IN INTRACRANIAL INFECTIONS. Reddi YR, Rao VS, Parthasaradhi J, Laxman S *Indian Pediatr* 12: 401-5, May 75 (Eng)

Rasio E

AN UNUSUAL BETA-CELL ADENOMA. Dewilde J, Baillargeon J, Daloz P, Rasio E *Can Med Assoc J* 113: 413-6, 6 Sep 75 (Eng)

Rattazzi LC

SURGICAL ASPECTS OF TRANSPLANTATION IN DIABETIC PATIENTS. Simmons RL, Kjellstrand cm, kyriakides GK, Rattazzi LC, Spanos PK, Casali R, Najarian JS *Kidney Int [Suppl]* 129-32, Oct 74 (Eng)

Ratzmann L

[GLUCOSE TOLERANCE AND THYROID FUNCTION] Voss C, Lorenz C, Ratzmann L, Hartmann N *Acta Biol Med Ger* 33: 515-20, 1974 (Ger)

Ravazzola M

A MORPHOLOGICAL BASIS FOR INTERCELLULAR COMMUNICATION BETWEEN ALPHA- AND BETA-CELLS IN THE ENDOCRINE PANCREAS. Orci L, Malaisse-Lagae F, Ravazzola M, Rouiller D, Renold AE, Perrelet A, Unger R *J Clin Invest* 56: 1066-70, Oct 75 (Eng)

Read S

BASEMENT MEMBRANE DISEASES: A REVIEW. Read S *Guy's Hosp Rep* 123: 53-65, 1974 (Eng) [32]

ANIMAL; BASEMENT MEMBRANE (pathology, ultrastructure, immunology); DIABETES MELLITUS (pathology); DOGS; ENDOTHELIUM (pathology); EPITHELIAL CELLS (pathology); GLOMERULONEPHRITIS (pathology); HUMAN; LARVA (anatomy & histology); MYXEDEMA (pathology); NEOPLASMS (pathology, immunology); REVIEW; SCURVY (metabolism); VASCULAR DISEASES (pathology).

Reagan CR

ISOLATION AND BIOLOGICAL CHARACTERIZATION OF FRAGMENTS OF HUMAN GROWTH HORMONE PRODUCED BY DIGESTION WITH PLASMIN. Reagan CR, Mills JB, Kostyo JL, Wilhelm AE *Endocrinology* 96: 625-36, Mar 75 (Eng)

AMINO ACIDS (metabolism); ANIMAL EXPERIMENTS; BLOOD SUGAR; BODY WEIGHT; CARTILAGE (metabolism); DEXAMETHASONE (pharmacodynamics); DIAPHRAGM; FEMALE; FIBRINOLYSIS; GLUCOSE (metabolism); HYDROLYSIS; HYPOPHYSECTOMY; IN VITRO; INJECTIONS, INTRAVENOUS; METHYLATION; MUSCLES (metabolism); PANCREATICTOMY; PEPTIDE FRAGMENTS (isolation & purification); PROTEINS (biosynthesis); RATS; SOMATOTROPIN (analysis, pharmacodynamics); STIMULATION, CHEMICAL; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

Reaven GM

INSULIN AND GLUCOSE METABOLISM IN RENAL INSUFFICIENCY. Reaven GM, Weisinger JR, Swenson RS *Kidney Int [Suppl]* 63-9, Oct 74 (Eng) [39]

ANIMAL; BLOOD SUGAR (analysis); CREATININE (blood); DIABETIC NEPHROPATHIES (metabolism, surgery); GLUCOSE (metabolism); HUMAN; INSULIN RESISTANCE; INSULIN (metabolism); KIDNEY FAILURE, CHRONIC (metabolism, surgery); KIDNEY (physiopathology); NEPHRECTOMY; PARATHYROID HORMONE (physiology); REVIEW; SOMATOTROPIN (physiology); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.; UREMIA (complications, metabolism).

Rebello T

Rebello T

PROCEEDINGS: THE EFFECT OF A HIGH-CARBOHYDRATE DIET ON SKIN LIPOGENESIS IN THE RAT. Rebello T, Macdonald I *Proc Nutr Soc* 33: 52a-53a, Sep 74 (Eng)
ANIMAL EXPERIMENTS; ANIMAL NUTRITION; CHOLESTEROL (biosynthesis); DIETARY CARBOHYDRATES (administration & dosage); FEMALE; FRUCTOSE (metabolism); GLUCOSE (metabolism); LIPIDS (biosynthesis); MALE; RATS; SKIN (metabolism); STEROLS (biosynthesis); TRIGLYCERIDES (biosynthesis); WAXES (biosynthesis).

Rechardt L

HISTOCHEMICAL OBSERVATIONS ON UPTAKE OF L-DOPA INTO ENDOCRINE CELLS OF THE RAT PITUITARY GLAND DURING THE POSTNATAL DEVELOPMENT. Partanen S, Rechardt L, Back N *Cell Tissue Res* 156: 451-61, 1975 (Eng)

Recker L

NEUROPATHY, RETINOPATHY AND BIOPSY FINDINGS IN TRANSPLANTED KIDNEY IN DIABETIC PATIENTS. Barbosa J, Burke B, Buselmeier TJ, Carpenter AM, Goetz FC, Harris J, Kennedy WR, Kjellstrand CM, Michael AF, Najarian JS, Recker L *Kidney Int [Suppl]* 32-6, Oct 74 (Eng)

Reddi YR

CEREBROSPINAL FLUID AND BLOOD SUGAR RATIO IN HEALTH AND DISEASE: DIAGNOSTIC AND PROGNOSTIC SIGNIFICANCE IN INTRACRANIAL INFECTIONS. Reddi YR, Rao VS, Parthasaradhi J, Laxman S *Indian Pediatr* 12: 401-5, May 75 (Eng)
BLOOD SUGAR (analysis); CHILD; CHILD, PRESCHOOL; DIABETES MELLITUS (metabolism); ENCEPHALITIS (diagnosis); GLUCOSE (cerebrospinal fluid); HUMAN; INFANT; MENINGITIS (diagnosis); PROGNOSIS.

Redman CM

LOCALIZATION OF ENZYMES INVOLVED IN POLYPHOSPHOINOSITIDS METABOLISM ON THE CYTOPLASMIC SURFACE OF THE HUMAN ERYTHROCYTE MEMBRANE. Burriss Garrett RJ, Redman CM *Biochim Biophys Acta* 382: 58-64, 28 Feb 75 (Eng)

Reed GB

INSULIN AND HYDROCORTISONE EFFECTS ON VIABILITY AND GLYCOGEN STORES OF POSTNATAL RAT LIVER ORGAN CULTURE. Reed GB, Grisham JW *Lab Invest* 33: 298-304, Sep 75 (Eng)
ANIMAL; CELL SURVIVAL (drug effects); GLYCOGEN (metabolism); HYDROCORTISONE (pharmacodynamics); INSULIN (pharmacodynamics); LIVER (drug effects, ultrastructure, metabolism); ORGAN CULTURE; RATS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Reed WD

MOLECULAR AND CATALYTIC PROPERTIES OF MITOCHONDRIAL (KETOGENIC) 3-HYDROXY-3-METHYLGLUTARYL COENZYME A SYNTHASE OF LIVER. Reed WD, Clinkenbeard D, Lane MD *J Biol Chem* 250: 3117-23, 25 Apr 75 (Eng)
ANIMAL EXPERIMENTS; CHICKENS; CHROMATOGRAPHY, DEAE-CELLULOSE; CHROMATOGRAPHY, ION EXCHANGE; COENZYME A; ELECTROPHORESIS; POLYACRYLAMIDE GEL; GEL DIFFUSION TESTS; GLUTARATES; HYDROXY ACIDS; ISOELECTRIC FOCUSING; KETOACID-LYASES (metabolism, isolation & purification); KINETICS; MACROMOLECULAR SYSTEMS; MITOCHONDRIA, LIVER (enzymology);

Diabetes Literature—Author Index

MOLECULAR WEIGHT; RABBITS

(immunology); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

MITOCHONDRIAL 3-HYDROXY-3-METHYLGLUTARYL-COA SYNTHASE FROM CHICKEN LIVER. Reed WD, Lane MD *Methods Enzymol* 35: 155-60, 1975 (Eng)
ACETOACETATES; ANIMAL EXPERIMENTS; CHICKENS; CHROMATOGRAPHY, DEAE-CELLULOSE; CHROMATOGRAPHY, ION EXCHANGE; GEL FILTRATION; GLUTARATES; KETOACID-LYASES (isolation & purification, metabolism); KINETICS; METHODS; MITOCHONDRIA, LIVER (enzymology); MOLECULAR WEIGHT.

Reggi M

[LETTER: STUDY OF SYMPATHETIC GANGLIC BY ELECTRON MICROSCOPY. ANATOMO-CLINICAL RELATIONS IN ARTERIOPATHIES] Courbier R, Jausseran JM, Reggi M, Choux R, Toga M *Nouv Presse Med* 4: 1814, 14 Jun 75 (Fre)

Regli F

[THE OCCURRENCE OF DIABETES MELLITUS, DIABETES INSIPIDUS, OPTIC ATROPHY AND NEUROGENIC DEAFNESS IN ONE PATIENT (AUTHORS TRANSL.)] Foerster K, Spranger J, Beyer J, Regli F *J Neurol* 210: 71-6, 4 Aug 75 (Ger)

[TO THE DIFFERENTIAL DIAGNOSIS OF CRANIAL NERVE LESIONS: THE PROGRESSIVE NECROTISING EXTERNAL OTITIS (AUTHORS TRANSL.)] Draf W, Regli F *J Neurol* 210: 219-26, 22 Sep 75 (Ger)

Rehfeld JF

THE ENTERAL INSULIN-STIMULATION AFTER WHIPPLES OPERATION. Rehfeld JF, Stadil F, Baden H, Fischerman K *Diabetologia* 11: 207-10, Jun 75 (Eng)
BLOOD SUGAR (analysis); DUODENUM (surgery); FEMALE; GASTRIN (physiology); GASTROINTESTINAL HORMONES (physiology); GASTROINTESTINAL SYSTEM (surgery); GLUCOSE TOLERANCE TEST; GLUCOSE (pharmacodynamics); HUMAN; INSULIN (secretion, blood); JEJUNUM (surgery); MALE; PANCREAS (surgery); PYLORIC ANTRUM (surgery).

Reichard GA Jr

KETONE BODY METABOLISM IN NORMAL, OBESE AND DIABETIC SUBJECTS. Owen OE, Reichard GA Jr *Isr J Med Sci* 11: 560-70, Jun 75 (Eng)

Reim M

PROCEEDINGS: HEXOKINASE ACTIVITY AND CORNEAL NUTRITION. Reim M, Grodau K, Kuhr M *Exp Eye Res* 20: 179, Feb 75 (Eng)
ADENOSINE TRIPHOSPHATE (metabolism); ANIMAL EXPERIMENTS; CATTLE; CORNEA (metabolism, enzymology); GLUCOSE (metabolism); HEXOKINASE (analysis).

Reinholdtsen J

[SMALL DOSES OF INTRAMUSCULAR INSULIN IN TREATMENT OF DIABETIC COMA] Reinholdtsen J *Tidsskr Nor Lægeforen* 95: 1413-4, 10 Sep 75 (Nor)
ADULT; DIABETIC COMA (drug therapy); ENGLISH ABSTRACT; HUMAN; INJECTIONS, INTRAVENOUS; INSULIN (administration & dosage, therapeutic use); MALE.

Reiter RJ

ENDOCRINE RHYTHMS ASSOCIATED WITH PINEAL GLAND FUNCTION. Reiter RJ *Adv Exp Med Biol* 54: 43-78, 1975 (Eng)
ACETYLTRANSFERASES (metabolism); ADRENAL GLANDS (secretion); ANIMAL EXPERIMENTS; CARNIVORA; CHICKENS; CIRCADIAN RHYTHM; DIURNAL RHYTHM;

ESTRUS; FEMALE; GONADOTROPINS

(metabolism); HAMSTERS; HORMONES (secretion); HUMAN; LIGHT; MALE; MELATONIN (secretion, metabolism); METHYLTRANSFERASES (metabolism); MONOAMINE OXIDASE (metabolism); NOREPINEPHRINE (metabolism); PERIODICITY; PINEAL BODY (physiology, secretion, enzymology); PITUITARY GLAND (metabolism); PROLACTIN (metabolism); QUAIL; RATS; SEASONS; SEROTONIN (metabolism); SOMATOTROPIN (metabolism); TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Reitsma WD

EFFECT OF WEIGHT REDUCTION ON INSULIN RESPONSIVENESS AND TRIGLYCERIDE LEVELS IN PATIENTS WITH ENDOGENOUS HYPERTRIGLYCERIDAEMIA. De Vries O, Sluiter WJ, Reitsma WD, Doorenbos H *Neth J Med* 17: 212-19, 1974 (Eng)

MUSCULAR CAPILLARY BASEMENT MEMBRANE HYPERTROPHY IN HYPERLIPIDEMIA TYPE IV: A REVERSIBLE CONSEQUENCE OF A METABOLIC DISORDER De Vries O, Vos J, Reitsma WD, Doorenbos H, Molenaar I *Neth J Med* 17: 220-6, 1974 (Eng)

INSULIN ANTIBODY FORMATION DURING LONG-TERM TREATMENT WITH MONOCOMPONENT AND MONOSPECIFIC INSULIN. Piers DA, Sluiter WJ, Reitsma WD, Doorenbos H *Neth J Med* 17: 234-8, 1974 (Eng)

Reitz RC

A POSSIBLE MECHANISM FOR THE PEROXIDATION OF LIPIDS DUE TO CHRONIC ETHANOL INGESTION. Reitz RC *Biochim Biophys Acta* 380: 145-54, 20 Feb 75 (Eng)
ALCOHOL, ETHYL (pharmacodynamics); ALDEHYDES; ANIMAL EXPERIMENTS; FATTY ACIDS (metabolism); FREEZING; GLUCOSE (pharmacodynamics); LIPIDS (metabolism); MALONATES; MICROSOMES, LIVER (enzymology, drug effects); NADH, NADPH OXIDOREDUCTASES (metabolism); OXYGEN CONSUMPTION (drug effects); RATS; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Renambot J

[CORONAROPATHIES IN THE BLACK AFRICAN. CLINICAL, ETIOLOGICAL AND CURRENT EPIDEMIOLOGICAL ASPECTS (APPROPOS OF 45 CASES)] Bertrand E, Baudin L, Chauvet J, Assamou MO, Bada B, Renambot J, Thomas JY, Le Bras M *Arch Mal Coeur* 67: 1447-55, Dec 74 (Fre)

Renner R

[BIOLOGICAL EFFECTS OF GROWTH-INDUCING SERUM PROTEINS ON ADIPOSE TISSUE] Renner R, Hepp KD, Mehnert H, Voser J, Frank W *Verh Dtsch Ges Inn Med* 80: 1222-4, 1974 (Ger)
ADIPOSE TISSUE (metabolism); BLOOD PROTEINS (metabolism); CATTLE; GROWTH SUBSTANCES (metabolism); HUMAN; LIPIDS (metabolism); OXIDATION-REDUCTION; RATS.

Renold AE

DEFECTIVE INSULIN SECRETION IN THE SPINY MOUSE (ACOMYS CAHIRINUS). POSSIBLE VALUE IN THE STUDY OF THE PATHOPHYSIOLOGY OF DIABETES. Rabinovitch A, Gutzeit A, Grill V, Kikuchi M, Renold AE, Cerasi E *Isr J Med Sci* 11: 730-7, Jul 75 (Eng)

A MORPHOLOGICAL BASIS FOR INTERCELLULAR COMMUNICATION BETWEEN ALPHA- AND BETA-CELLS IN THE ENDOCRINE PANCREAS. Orci L, Malaisse-Lagae

F, Ravazzola M, Rouiller D, Renold AE, Perrelet A, Unger R *J Clin Invest* 55: 1066-70, Oct 75 (Eng)

Retbi JM

[NEONATAL LACTIC ACIDOSIS AND HYPOGLYCEMIA DUE TO A CONGENITAL HEPATIC FRUCTOSE-1,6-DIPHOSPHATASE DEFICIENCY] Retbi JM, Gabilan JC, Marsac C *Arch Fr Pediatr* 32: 367-80, Apr 75 (Fre)
ACIDOSIS (etiology); CARBOHYDRATE METABOLISM; INBORN ERRORS (complications, diagnosis, diet therapy); CASE REPORT; CHILD, PRESCHOOL; CONSANGUINITY; ENGLISH ABSTRACT; FRUCTOSE (diagnostic use); GLUCOSE (diagnostic use); HEXOSE-DIPHOSPHATASE (metabolism); HUMAN; HYPOGLYCEMIA (etiology); INFANT; INFANT, NEWBORN; INFANT, NEWBORN, DISEASES (etiology); LACTATES (diagnostic use); LIVER (ultrastructure); MALE; PYRUVATES (diagnostic use).

Rhodin TR

PHOSPHATE TRANSPORT IN SUBMITOCHONDRIAL PARTICLES. Rhodin TR, Racker E *Biochem Biophys Res Commun* 61: 1207-12, 23 Dec 74 (Eng)
ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT, ACTIVE; CALCIUM (pharmacodynamics); CATTLE; ETHYLMALEIMIDE (pharmacodynamics); IN VITRO; MALEIMIDES (pharmacodynamics); MANGANESE (pharmacodynamics); MERSALYL (pharmacodynamics); MITOCHONDRIA, MUSCLE (metabolism, drug effects); MYOCARDIUM; PHOSPHATES (metabolism); PHOSPHATES, INORGANIC (metabolism).

Ribeiro LP

INFLUENCE OF NUTRITIONAL CHANGES ON LIPOPROTEIN LIPASE ACTIVITY. II: THE EFFECT OF HIGH FAT INTAKE ON LEVELS OF ENZYME OF RAT ADIPOSE TISSUE. Ribeiro LP, Schettino CM, Affonso OR, Mitidieri E *Rev Bras Biol* 31: 219-23, Jun 71 (Eng)
ADIPOSE TISSUE (enzymology); ANIMAL EXPERIMENTS; DIETARY FATS (metabolism); EPIDIDYMIS (metabolism); FATTY ACIDS (pharmacodynamics, metabolism); FATTY ACIDS, UNSATURATED (pharmacodynamics, metabolism); LIPOPROTEIN LIPASE (metabolism); MALE; MONKEYS.

Rich A

MICROTUBULES AND THE INTRACELLULAR CONVERSION OF PROPARATHYROID HORMONE TO PARATHYROID HORMONE. Kemper B, Habener JF, Rich A, Potts JT Jr *Endocrinology* 96: 903-12, Apr 75 (Eng)

Rich GT

THE EFFECTS OF THE MEMBRANE-PENETRATING POLYPEPTIDE SEGMENT OF THE HUMAN ERYTHROCYTE MN-GLYCOPROTEIN ON THE PERMEABILITY OF MODEL LIPID MEMBRANES. Lea EJA, Rich GT, Segrest JP *Biochim Biophys Acta* 382: 41-50, 28 Feb 75 (Eng)

Richardson BP

EFFECTS OF CYPROHEPTADINE ON INSULIN SECRETION BY ISOLATED PERFUSED RAT ISLETS. Richardson BP, McDaniel ML, Lacy PE *Diabetes* 24: 836-41, Sep 75 (Eng)
ANIMAL, CYPROHEPTADINE (pharmacodynamics); DRUG SYNERGISM; GLUCOSE (pharmacodynamics); INSULIN (secretion); ISLANDS OF LANGERHANS (secretion, drug effects); MALE; PERFUSION; RATS; UNITED STATES GOVERNMENT SUPPORTED, N.H..

Riches AC

DIFFERENCES IN PROLIFERATIVE ACTIVITY OF RAT AND HUMAN PROSTATE IN CULTURE. Shipman PA, Littlewood V, Riches AC, Thomas GH *Br J Cancer* 31: 570-80, May 75 (Eng)

Ries W

[SIGNIFICANCE OF THE OBESITY RISK FACTOR IN OLD AGE] Ries W *Z Alternforsch* 28: 145-52, 1974 (Ger)
AGED; BODY WEIGHT; CORONARY DISEASE (complications); FEMALE; GERMANY, EAST; HUMAN; MALE; MIDDLE AGE; OBESITY IN DIABETES; OBESITY (mortality, complications); RISK.

Rifkin H

PANCREATIC TRANSPLANTATION IN NEW YORK. Gliedman ML, Tellis V, Soberman R, Rifkin H, Freed SZ, Veith FJ *Kidney Int [Suppl]* 164-8, Oct 74 (Eng)

Riley HD Jr

EDITORIALS: ATHEROSCLEROSIS-A PEDIATRIC PROBLEM. Riley HD Jr *South Med J* 68: 255-7, Mar 75 (Eng)
ADOLESCENCE; ARTERIOSCLEROSIS; ATHEROSCLEROSIS (prevention & control); CHILD; CHOLESTEROL (blood); HUMAN; INFANT; MALE; MIDDLE AGE; PEDIATRICS.

Riliet B

[A CLINICAL STUDY OF A NEW SULFONYLUREA HYPOGLYCEMIC AGENT: GLIPIZIDE (GLIBENESE)] (AUTHORS TRANSL) Cochet B, Balant L, Riliet B, Zahnd G *Praxis* 64: 562-8, 6 May 75 (Fre)

Robba L

MISUNDERSTANDING OR ERROR THE UGDP REPORT AFTER FOUR YEARS. Marigo S, Adezati L, Burnetti P, Pozza G, Robba L, Urbini G *Acta Diabetol Lat* 11: 357-422, Sep-Oct 74 (Eng) [83]

Roberts K

CYTOPLASMIC MICROTUBULES AND THEIR FUNCTIONS. Roberts K *Prog Biophys Mol Biol* 28: 371-420, 1974 (Eng) [416]
ANIMAL EXPERIMENTS; CILIA (ultrastructure); COCKROACHES; COLCHICINE; CYTOPLASM (ultrastructure); FLAGELLA (ultrastructure); GANGLIA (ultrastructure); GRASSHOPPERS; MALE; MICROSCOPY, ELECTRON; MICROTUBULES (ultrastructure, physiology); MODELS, BIOLOGICAL; MOLECULAR CONFORMATION; NERVE TISSUE (ultrastructure); PLANTS (ultrastructure); PROTEIN CONFORMATION; PROTEINS (isolation & purification); REVIEW; SPERMATOZOA (ultrastructure); TETRAHYMENA (ultrastructure); X-RAY DIFFRACTION.

Robertson DM

GLUCOSE UPTAKE IN THE BRAINSTEM OF THIAMINE-DEFICIENT RATS. Robertson DM, Manz HJ, Haas RA, Meyers N *Am J Pathol* 79: 107-18, Apr 75 (Eng)
ANIMAL EXPERIMENTS; AUTORADIOGRAPHY; BRAIN STEM (metabolism, pathology); CEREBELLUM (metabolism, pathology); DENSITOMETRY; DIET; FEMALE; GLUCOSE (metabolism, administration & dosage); INJECTIONS, INTRAVENOUS; RATS; THIAMINE DEFICIENCY (metabolism, pathology); VESTIBULAR NUCLEI (metabolism, pathology).

Robinson RW

GLYCOSAMINOGLYCANS AND ARTERIAL DISEASE. Robinson RW, Likar IN, Likar LJ *Monogr Atheroscler* 5: v-viii, 1-136, 1975 (Eng) [482]

ANIMAL EXPERIMENTS; ARTERIAL OCCLUSIVE DISEASES (metabolism); ARTERIES (metabolism, drug effects, ultrastructure); BLOOD COAGULATION (drug effects); CATECHOLAMINES (pharmacodynamics); CELL DIVISION (drug effects); CELLS, CULTURED; CHOLESTEROL (pharmacodynamics); DRUG STABILITY; ENZYME ACTIVATION (drug effects); FIBRINOGEN (metabolism); GLYCOSAMINOGLYCANS (metabolism, physiology, radiation effects); HORMONES (pharmacodynamics); HUMAN; MAST CELLS (metabolism); MUCOPOLYSACCHARIDES (metabolism); PROTEIN BINDING; RADIATION EFFECTS; REVIEW; STRUCTURE-ACTIVITY RELATIONSHIP; WOUND HEALING.

Robison GA

CYCLIC NUCLEOTIDE PHOSPHODIESTERASES AND THYROID HORMONES. Van Inwegen RG, Robison GA, Thompson WJ *J Biol Chem* 250: 2452-6, 10 Apr 75 (Eng)

Rocco E

PLACENTAL DIFFUSING CAPACITY IN UNANESTHETIZED RABBITS. Rocco E, Bennett TR, Power GG *Am J Physiol* 228: 465-9, Feb 75 (Eng)
ANIMAL EXPERIMENTS; CARBON MONOXIDE (metabolism); CARBOXYHEMOGLOBIN (analysis); DIFFUSION; FEMALE; MATERNAL-FETAL EXCHANGE; PLACENTA (physiology); PREGNANCY; RABBITS (physiology); TIME FACTORS.

Rockerba RA

SEMI-AUTOMATED COLORIMETRIC DETERMINATION OF TRIGLYCERIDES. Edora P, Rockerba RA *Clin Biochem* 8: 5-10, Feb 75 (Eng)

Rodbell M

MULTIPLE INHIBITORY AND ACTIVATING EFFECTS OF NUCLEOTIDES AND MAGNESIUM ON ADRENAL ADENYLATE CYCLASE. Londres C, Rodbell M *J Biol Chem* 250: 3459-65, 10 May 75 (Eng)
A PERSISTENT ACTIVE STATE OF THE ADENYLATE CYCLASE SYSTEM PRODUCED BY THE COMBINED ACTIONS OF ISOPROTERENOL AND GUANYLYL IMIDODIPHOSPHATE IN FROG ERYTHROCYTE MEMBRANES. Schramm M, Rodbell M *J Biol Chem* 250: 2232-7, 25 Mar 75 (Eng)

Rodgers PA

PROCEEDINGS: A SIMPLE TECHNIQUE FOR THE ESTIMATION OF TISSUE PROTEIN TURNOVER IN MAN. Halliday D, Garrow JS, Rodgers PA *Proc Nutr Soc* 33: 37a-38a, Sep 74 (Eng)

Rodkiewicz B

[STUDIES UPON THE EFFECT OF AGE AND NUTRITIONAL FACTORS ON LIPID AND PROTEIN METABOLISM IN INFANTS (AUTHORS TRANSL)] Gornicki B, Litwin E, Krukowa A, Kleczkowska H, Rodkiewicz B, Kowalczyk Z, Dzieniszewska L, Wachnik Z, Symonowicz H *Probl Med Wieku Rozwoj* 1: 33-70, 1972 (Pol)

Rodriguez-Rubio F

METABOLIC ALKALOSIS IN DIABETIC KETOSIS. Jimenez JA, Daminano A, Fernandez E, Rodriguez-Rubio F, Garrido M *JAMA* 233: 1193-4, 15 Sep 75 (Eng)

Roguska J

MAINTENANCE DIALYSIS FOR DIABETIC NEPHROPATHY WITH UREMIA. Huang C, del Greco F, Ivanovich P, Krumlovsky FA, Roguska J, Simon NM, Hano J *J Chronic Dis* 28: 365-74, Aug 75 (Eng)

Rohrbacher R

Rohrbacher R

INFLUENCE OF A SPECIAL CAMP PROGRAM FOR OBESE BOYS ON WEIGHT LOSS, SELF-CONCEPT, AND BODY IMAGE. Rohrbacher R. *Res Q Am Assoc Health Phys Educ* 44: 150-7, May 73 (Eng)

ADOLESCENCE; BIRTH ORDER; BODY IMAGE; BODY WEIGHT; CAMPING; CHILD; FOLLOW-UP STUDIES; HUMAN; MALE; OBESITY (therapy, familial & genetic); PUBERTY; SELF CONCEPT.

Rojas MT

[NON-FUNCTIONING ADRENOCORTICAL CARCINOMA AND FOCAL CHRONIC PYELONEPHRITIS] Yanez AP, Fernandez CJ, Mejias MM, Rojas MT, Velasco FT, Cortina de Luna JL. *Rev Clin Exp* 137: 565-70, 30 Jun 75 (Spa)

Romero Velasco DE

[ETIOLOGY OF OBESITY] Romero Velasco DE. *An R Acad Nacl Med (Madr)* 91: 649-62, 1974 (Spa)
HUMAN; OBESITY (etiology).

Rosa R

ACTIVITIES OF SOME GLYCOLYTIC ENZYMES IN THE MAJOR SALIVARY GLANDS OF SOME LABORATORY ANIMALS. Nicolau J, Lamsac MC, Rosa R, Pedrosa FI, Leal A. *Comp Biochem Physiol* [A] 47: 399-402, 1 Feb 74 (Eng)

Rose HG

COMBINED HYPERLIPOPROTEINEMIA. EVIDENCE FOR A NEW LIPOPROTEIN PHENOTYPE. Rose HG, Kranz P, Weinstock M, Juliano J, Haft JJ. *Atherosclerosis* 20: 51-64, Jul-Aug 74 (Eng)

ADULT; BODY WEIGHT; CHOLESTEROL (blood); FEMALE; GENETICS; HUMAN; HYPERLIPEMIA (classification); HYPERLIPEMIA, ESSENTIAL FAMILIAL (familial & genetic); LIPOPROTEINS (blood); LIPOPROTEINS, LDL (blood); LIPOPROTEINS, VLDL (blood); MALE; MIDDLE AGE; OBESITY (complications); PHENOTYPE; TRIGLYCERIDES (blood).

Rosell S

ADRENERGIC RECEPTORS IN ADIPOSE TISSUE AND THEIR RELATION TO ADRENERGIC INNERVATION. Rosell S, Belfrage E. *Nature* 253: 738-9, 27 Feb 75 (Eng)

ADIPOSE TISSUE (physiology, metabolism, drug effects); ANIMAL EXPERIMENTS; DENERVATION; DOGS; ISOPROTERENOL (pharmacodynamics); LIPIDS (metabolism); NOREPINEPHRINE (pharmacodynamics, metabolism); RECEPTORS, ADRENERGIC; SYMPATHETIC NERVOUS SYSTEM (metabolism, drug effects); VASCULAR RESISTANCE (drug effects); VASOMOTOR SYSTEM (drug effects, metabolism).

Rosenberg H

STIMULATION OF RAT LIVER ADENYLATE CYCLASE BY HALOTHANE. Rosenberg H, Pohl S. *Life Sci* 17: 431-4, 1 Aug 75 (Eng)

ADENYL CYCLASE (metabolism); ANIMAL; CELL MEMBRANE (drug effects, enzymology); DOSE-RESPONSE RELATIONSHIP, DRUG; DRUG SYNERGISM; ENZYME ACTIVATION (drug effects); FEMALE; FLUORIDES (pharmacodynamics); GLUCAGON (pharmacodynamics); HALOTHANE (pharmacodynamics); LIVER (drug effects, ultrastructure); RATS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Rosenbloom AL

SERUM PROINSULIN IN CHILDREN AND ADOLESCENTS WITH CHEMICAL DIABETES. Rosenbloom AL, Starr JJ, Juhn D,

Diabetes Literature—Author Index

Rubenstein AH. *Diabetes* 24: 753-7, Aug 75 (Eng)

ADOLESCENCE; AGE FACTORS; BLOOD SUGAR (metabolism); CHILD; DIABETES MELLITUS, JUVENILE (blood); FASTING; FEMALE; GLUCOSE (metabolism); HUMAN; INSULIN (blood); MALE; PROINSULIN (blood); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

AGE-ADJUSTED ANALYSIS OF INSULIN RESPONSES DURING NORMAL AND ABNORMAL GLUCOSE TOLERANCE TESTS IN CHILDREN AND ADOLESCENTS. Rosenbloom AL, Wheeler L, Bianchi R, Chin FT, Tiwary CM, Grgic A. *Diabetes* 24: 820-8, Sep 75 (Eng)

ADOLESCENCE; AGE FACTORS; BLOOD SUGAR (metabolism); BODY HEIGHT; CHILD; CHILD, PRESCHOOL; DIABETES MELLITUS, JUVENILE (metabolism, familial & genetic, diagnosis); GLUCOSE TOLERANCE TEST; HUMAN; INFANT; INSULIN (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Rosenfeld PS

THE EFFECT OF HYPOGLYCEMIA ON HYPOTHALAMIC THYROTROPIN-RELEASING HORMONE (HRH) IN THE RAT. Leung Y, Guansing AR, Ajlouni K, Hagen TC, Rosenfeld PS, Barboriak JJ. *Endocrinology* 97: 380-4, Aug 75 (Eng)

Rosenkranz A

[BLOOD GLUCOSE AND IMMUNOREACTIVE INSULIN IN CHILDREN WITH DIABETIC SIBLINGS AND DIABETIC MOTHERS (AUTHORS TRANSL.)] Waldhausl W, Rosenkranz A, Dudczak R. *Z Kinderheilkd* 120: 59-68, 1 Jul 75 (Ger)

Rosenmann E

COMPARATIVE STUDY OF THE PATHOLOGY OF SUCROSE-INDUCED DIABETES IN THE RAT AND ADULT-ONSET DIABETES IN MAN. Rosenmann E, Yanko L, Cohen AM. *Isr J Med Sci* 11: 753-61, Jul 75 (Eng)

ANIMAL; COMPARATIVE STUDY; DIABETES MELLITUS (pathology, chemically induced); DIABETIC ANGIOPATHIES (pathology); DIABETIC NEPHROPATHIES (pathology); DIABETIC RETINOPATHY (pathology); DISEASE MODELS, ANIMAL; HUMAN; RATS; RODENT DISEASES (pathology); SUCROSE; TESTIS (pathology).

Rosenstein AJ

INHERITED DEPRESSION OF ARTERIAL LIPOAMIDE DEHYDROGENASE ACTIVITY ASSOCIATED WITH SUSCEPTIBILITY TO ATHEROSCLEROSIS IN PIGEONS. Zemlenyi T, Blankenhorn DH, Rosenstein AJ. *Circ Res* 36: 640-6, May 75 (Eng)

Rosselin G

INTERACTIONS OF GLUCAGON, GUT GLUCAGON, VASOACTIVE INTESTINAL POLYPEPTIDE AND SECRETIN WITH THEIR MEMBRANE RECEPTORS. Bataille D, Rosselin G, Freychet P. *Isr J Med Sci* 11: 687-92, Jul 75 (Eng)

Rossini L

EFFECTS OF GROUP-SELECTIVE REAGENTS ON RABBIT MUSCLE GLYCOGEN SYNTHASE. Larner J, Benjamin D, Rossini L. *Mol Cell Biochem* 6: 65-70, 31 Jan 75 (Eng)

Rossman MG

THREE-DIMENSIONAL STRUCTURE OF D-GLYCERALDEHYDE-3-PHOSPHATE DEHYDROGENASE. Buehner M, Ford GC, Olsen KW, Moras D, Rossman MG. *J Mol Biol* 90: 25-49, 25 Nov 74 (Eng)

Roth J

RADIORECEPTOR ASSAY OF INSULIN: COMPARISON OF PLASMA AND PANCREATIC INSULINS AND PROINSULINS. Gavin JR 3d, Kahn CR, Gorden P, Roth J, Neville DM Jr. *J Clin Endocrinol Metab* 41: 438-45, Sep 75 (Eng)

CIRCULATING NSILA-S IN MAN: PRELIMINARY STUDIES OF STIMULI IN VIVO AND OF BINDING TO PLASMA COMPONENTS. Megyesi K, Kahn CR, Roth J, Gorden P. *J Clin Endocrinol Metab* 41: 475-84, Sep 75 (Eng)

INSULIN RECEPTOR DEFICIENCY IN GENETIC AND ACQUIRED OBESITY. Soli AH, Kahn CR, Neville DM Jr, Roth J. *J Clin Invest* 56: 769-80, Oct 75 (Eng)

Rottenberg DA

LETTER: GLYCEROL, CEREBRAL OEDEMA, AND DIABETES. Hurwitz BJ, Rottenberg DA. *Lancet* 2: 369, 23 Aug 75 (Eng)

Rouby J

[HAEMOCHOLECYST INDUCED BY GAN- GRENOUS CHOLECYSTITIS IN A DIABETIC (AUTHORS TRANSL.)] Rouby J, Mahieu F, Staquet JP, Bataille JP, Lederer J. *Acta Gastroenterol Belg* 38: 237-41, May-Jun 75 (Fre)
CASE REPORT; CHOLECYSTECTOMY; CHOLECYSTITIS (complications); DIABETES MELLITUS (complications); ENGLISH ABSTRACT; FEMALE; GALLBLADDER DISEASES (etiology, pathology); GANGRENE (complications); HEMORRHAGE, GASTROINTESTINAL (etiology, pathology); HUMAN; MIDDLE AGE.

Rouiller D

A MORPHOLOGICAL BASIS FOR INTERCELLULAR COMMUNICATION BETWEEN ALPHA- AND BETA-CELLS IN THE ENDOCRINE PANCREAS. Orci L, Malaisse-Lagae F, Ravazzola M, Rouiller D, Renold AE, Perrelet A, Unger R. *J Clin Invest* 56: 1066-70, Oct 75 (Eng)

Rousseau MF

[HISTOCYTOSIS-X, HISTOCHEMICAL AND AUTORADIOGRAPHIC ELEMENTS PROVING LIPID SYNTHESIS IN IN VITRO CULTURE] Nezelof C, Despres S, Barbey S, Rousseau MF. *Biomedicine* 20: 414-24, Nov 74 (Fre)

Rowe AS

METABOLIC RHYTHMS IN NORMAL AND DIABETIC MAN. STUDIES IN INSULIN-TREATED DIABETES. Alberti KG, Dornhorst A, Rowe AS. *Isr J Med Sci* 11: 571-80, Jun 75 (Eng)

Rowe MJ

CONTROL OF VENTRICULAR ARRHYTHMIAS DURING MYOCARDIAL INFARCTION BY ANTILIPOLYTIC TREATMENT USING A NICOTINIC-ACID ANALOGUE. Rowe MJ, Neilson JM, Oliver MF. *Lancet* 1: 295-300, 8 Feb 75 (Eng)

ARRHYTHMIA (prevention & control, etiology); BLOOD SUGAR (analysis); CATECHOLAMINES (blood); CLINICAL RESEARCH; CREATINE KINASE (blood); EXTRASYSTOLE (prevention & control); FATTY ACIDS, NONESTERIFIED (blood); HEART VENTRICLE (physiopathology); HUMAN; LIPIDS (metabolism); MYOCARDIAL INFARCT (drug therapy, blood, complications, physiopathology, metabolism); NICOTINIC ACIDS (analogs & derivatives, therapeutic use, blood); PLACEBOS; TACHYCARDIA (prevention & control); TIME FACTORS; TRIGLYCERIDES (blood); VENTRICULAR FIBRILLATION (prevention & control).

Rubenstein AH

SERUM PROINSULIN IN CHILDREN AND ADOLESCENTS WITH CHEMICAL DIABETES. Rosenbloom AL, Starr JJ, Juhn D, Rubenstein AH *Diabetes* 24: 753-7, Aug 75 (Eng)

Rubin E

EFFECT OF ETHANOL AND ACETALDEHYDE ON THE (NA& &K&)-ACTIVATED ADENOSINE TRIPHOSPHATASE ACTIVITY OF CARDIAC PLASMA MEMBRANES. Williams JW, Tada M, Katz AM, Rubin E *Biochem Pharmacol* 24: 27-32, 1 Jan 75 (Eng)

Rubin EJ

ESTROGEN SYNTHESIS BY THE PREGNANT BABOON. Kling OR, Rubin EJ, Townsley JD *J Med Primatol* 1: 102-13, 1972 (Eng)

Rubin RT

OPTIMAL STATISTICAL DESIGN OF RADIOIMMUNOASSAYS AND COMPETITIVE PROTEIN-BINDING ASSAYS. Chang PC, Rubin RT, Yu M *Endocrinology* 96: 973-81, Apr 75 (Eng)

Rubler S

LETTERS TO THE EDITOR: LEFT VENTRICULAR FUNCTION IN DIABETES MELLITUS. Rubler S *Am Heart J* 90: 538, Oct 75 (Eng)
DIABETES MELLITUS (physiopathology); HEART (physiopathology); HUMAN.

Rucinski T

[THE INFLUENCE OF ATHEROGENIC DIET AND COUMARIN ON THE ACCUMULATION OF TOTAL FATS AND CHOLESTEROL IN THE COMBS OF COCKS (AUTHORS TRANSL)] Rucinski T, Kadziolka A, Ziolo T *Ann Univ Mariae Curie Skłodowska [Med]* 27: 115-22, 1972 (Pol)

ANIMAL EXPERIMENTS; CHICKENS; CHOLESTEROL (metabolism); COMB AND WATTLES (metabolism); COUMARINS (pharmacodynamics); DIET, ATHEROGENIC; ENGLISH ABSTRACT; LIPIDS (metabolism); MALE.

[THE INFLUENCE OF COUMARIN ON THE FAT OF PLASMA OF COCKS FED ON AN ATHEROGENIC DIET (AUTHORS TRANSL)] Kdziolka A, Patyra S, Rucinski T, Kostarz T *Ann Univ Mariae Curie Skłodowska [Med]* 27: 123-9, 1972 (Pol)

Ruedi B

[PSYCHOLOGIC AND METABOLIC FACTORS IN THE GENESIS OF OBESITY. 2.] Ruedi B *Z Krankenhpf* 67: 450-2, 468, Dec 74 (Fre)
ADOLESCENCE; CHILD NUTRITION; CHILD; CHILD, PRESCHOOL; ENDOCRINE GLANDS (physiology); GENETICS, HUMAN; HUMAN; INFANT; OBESITY (etiology); PSYCHOPHYSIOLOGIC DISORDERS (complications); SPECIAL LIST NURSING.

Rufener C

SYMPOSIUM III: HORMONES AND HORMONE RECEPTORS. A MORPHOLOGICAL APPROACH TO SURFACE RECEPTORS IN ISLET AND LIVER CELLS. Orci L, Rufener C, Malaisse-Lagae F, Blondel B, Amherdt M, Bataille D, Freychet P, Perrelet A *Isr J Med Sci* 11: 639-55, Jul 75 (Eng)

Ruiz-Herrera J

[DESCRIPTION OF A METHOD FOR THE DETERMINATION OF GLUCOSE AND ALPHA-GLUCOSIDASE (AUTHORS TRANSL)] Flores-Carreón A, Ruiz-Herrera J *Rev Lat Am Microbiol* 16: 187-8, Oct-Dec 74 (Spa)

Runge W

[MICROSOME-ASSOCIATED 17BETA-HYDROXYSTEROID DEHYDROGENASES OF HUMAN PLACENTA, II KINETIC STUDIES AND CHARACTERIZATION OF THE SOLUBILIZED ESTRADIOL-AND TESTOSTERONE-SENSITIVE 17BETA-HSD-ACTIVITIES] Pollow K, Runge W, Pollow B *Z Naturforsch [C]* 30: 17-24, Jan-Feb 75 (Ger)

Ruszkowska J

[TEMPORAL RELATIONSHIP CONCERNING CHANGES IN BLOOD INSULIN, SUGAR AND ADENOSINE-35-MONOPHOSPHATE FOLLOWING ADMINISTRATION OF GLUCAGON TO HEALTHY SUBJECTS] Czekalski S, Kosowicz J, Kozak W, Ruszkowska J *Pol Arch Med Wewn* 54: 127-32, Aug 75 (Pol)

Saathoff G

ON THE MECHANISM AND CONTROL OF THE MALONYL-COA-DEPENDENT CHAIN ELONGATION OF FATTY ACIDS. THE MALONYL-TRANSFER REACTION. Podack ER, Saathoff G, Seubert Eur *J Biochem* 50: 237-43, 16 Dec 74 (Eng)

Saavedra M

[CLINICAL STUDY OF A NEW SYNTHETIC STEROID IN THE TREATMENT OF BRONCHIAL ASTHMA] Pacheco CR, Valdez-Ochoa S, Naranjo F, Alvarez H, Aguilar M, Saavedra M *Gac Med Mex* 104: 313-9, Oct 72 (Spa)

Sachar EJ

HUMAN GROWTH HORMONE RESPONSE TO LEVODOPA. RELATION TO MENOPAUSE, DEPRESSION, AND PLASMA DOPA CONCENTRATION. Sachar EJ, Altman N, Gruen PH, Glassman A, Halpern FS, Sassini J *Arch Gen Psychiatry* 32: 502-3, Apr 75 (Eng)
ADULT; AGE FACTORS; AGED; DEPRESSION (physiopathology); DOPA (blood); FEMALE; HUMAN; LEVODOPA (pharmacodynamics); MALE; MENOPAUSE; MIDDLE AGE; PITUITARY GLAND (secretion, physiopathology); SEX FACTORS; SOMATOTROPIN (secretion, blood); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Sacks FM

PLASMA LIPIDS AND LIPOPROTEINS IN VEGETARIANS AND CONTROLS. Sacks FM, Castelli WP, Donner A, Kass EH *N Engl J Med* 292: 1148-51, 29 May 75 (Eng)
ADOLESCENCE; ADULT; BLOOD PRESSURE; BODY WEIGHT; CHOLESTEROL (blood); COFFEE; DAIRY PRODUCTS; DIET; DIETARY CARBOHYDRATES; EGGS; FEMALE; FISH PRODUCTS; HUMAN; HYPERLIPIDEMIA (diet therapy); LIPIDS (blood); LIPOPROTEINS (blood); LIPOPROTEINS, HDL (blood); LIPOPROTEINS, LDL (blood); LIPOPROTEINS, VLDL (blood); MALE; MIDDLE AGE; SKINFOLD THICKNESS; TIME FACTORS; TRIGLYCERIDES (blood); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; VEGETARIANISM.

Sacktor B

CONTROL OF PYRUVATE DEHYDROGENASE ACTIVITY IN INTACT CARDIAC MITOCHONDRIA. REGULATION OF THE INACTIVATION AND ACTIVATION OF THE DEHYDROGENASE. Chiang PK, Sacktor B *J Biol Chem* 250: 3399-408, 10 May 75 (Eng)

Sacquet E

[INFLUENCE OF THE SUPPLEMENTATION OF RATION WITH CONJUGATED BILIARY SALTS ON THE EQUIPMENT AND BILIARY ACIDS OF THE SMALL INTESTINE IN THE RAT. MODIFICATIONS OF THE APPARENT ABSORPTION OF FATTY ACIDS] Demare Y,

Sacquet E, Van Heijenoort Y, Mathis C *Ann Biol Anim Biochim Biophys* 14: 239-50, 1974 (Fre)

Sadani M

[PROCEEDINGS: EVALUATION OF CARBOHYDRATE METABOLISM OF PATIENTS FOLLOWING PANCREATODUODENECTOMY] Miyata M, Takao T, Sadani M, Manabe H, Uozumi T *Folia Endocrinol Jpn* 50: 206, 20 Feb 74 (Jpn)

Said MI

BIOCHEMICAL CHANGES IN LYMPH INDUCED BY HAEMORRHAGIC SHOCK IN DOGS. Badrain IG, Adel-Kader MM, Ismail AA, Iskander F, Said MI, Barsoum MS *J Egypt Med Assoc* 57: 72-9, 1974 (Eng)

Sailer FX

[DIAGNOSIS OF ORGANIC HYPERINSULINISM] Kramer K, Sailer FX *Anaesthesiol Intensivmed Prax* 10: 125-30, 1975 (Ger)

Saito H

[EFFECT OF PROSCILLARIDIN ON ACTIVE CATION TRANSPORT ACROSS HUMAN RED CELL MEMBRANE (AUTHORS TRANSL)] Nishida H, Saito H, Kawaguchi M *Hokkaido J Med Sci* 49: 235-9, May 74 (Jpn)

Saito S

[PROCEEDINGS: BIOLOGICAL ACTION OF GROWTH HORMONE SECRETION INHIBITING FACTOR] Oshima K, Nabusa K, Isobe J, Saito S, Nagao T *Folia Endocrinol Jpn* 50: 272, 20 Feb 74 (Jpn)

Saito T

A SENSITIVE, RAPID, AND ECONOMIC RADIOIMMUNOASSAY OF HUMAN GROWTH HORMONE USING ETHANOL-AMMONIUM ACETATE. Saito T, Saxena BB *J Lab Clin Med* 85: 497-504, Mar 75 (Eng)
ACETATES; ACROMEGALY (blood); ALCOHOL, ETHYL; AMMONIUM COMPOUNDS; BLOOD PROTEIN DISORDERS (blood); CHROMATOGRAPHY, PAPER; COMPARATIVE STUDY; COMPUTERS; ELECTROPHORESIS, PAPER; GUINEA PIGS (immunology); HUMAN; HYPOPITUITARISM (blood); RABBITS (immunology); RADIOIMMUNOASSAY; SOMATOTROPIN (blood, immunology); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Saito Y

[PROCEEDINGS: ACTION MECHANISM OF LIPID MOBILIZING HORMONE AND CAMP] Saito Y, Matsuoka N, Okuda T, Fujii S *Folia Endocrinol Jpn* 50: 479, 20 Feb 74 (Jpn)
ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (physiology); EPINEPHRINE (physiology); LIPIDS (metabolism).

[PROCEEDINGS: MECHANISM OF LIPID METABOLISM REGULATION IN LIPID MICELLES] Matsuoka N, Saito Y, Okuda T, Fujii S *Folia Endocrinol Jpn* 50: 651, 20 Feb 74 (Jpn)

Sakamoto N

[PROCEEDINGS: ONE NIGHT SLEEP DEPRIVATION IN DEPRESSION AND CIRCADIAN RHYTHM IN BLOOD CORTISOL LEVEL] Yamaguchi N, Maeda K, Yoshimoto N, Sakamoto N, Miyazaki R *Folia Endocrinol Jpn* 50: 333, 20 Feb 74 (Jpn)

[PROCEEDINGS: ENERGY HOMEOSTASIS. 4. METABOLIC CHANGES AT EPINEPHRINE LOADING IN PATIENTS WITH INSULINOMA] Sakamoto N, Hotta A, Yoshida M, Sato S, Nagashima M *Folia Endocrinol Jpn* 50: 543, 20 Feb 74 (Jpn)
ENERGY METABOLISM; EPINEPHRINE (diagnostic use); HOMEOSTASIS; HUMAN; ISLET CELL TUMOR (metabolism); PANCREATIC NEOPLASMS (metabolism).

Sakashita I

Sakashita I

ADMINISTRATION OF GLUCOSE-INSULIN-POTASSIUM SOLUTION (GIK) AND VALVE REPLACEMENT IN PATIENTS WITH ADVANCED VALVULAR DISEASE. Asano K, Sakashita I, Ando T *J Cardiovasc Surg (Torino) SPEC NO: 370-3, 1975 (Eng)*

Sako Y

[STUDIES ON HYPOLIPIDEMIC AGENTS. IV. SYNTHESIS AND HYPOLIPIDEMIC ACTIVITIES OF 4-SUBSTITUTED PHENOXYISOBUTYRIC ACID DERIVATIVES (AUTHORS TRANSL.) Miyoshi F, Fukami H, Sako Y *J Pharm Soc Jpn* 94: 1061-9, Sep 74 (Jpn)

Salzberger M

DIABETES AND ANTENATAL FETAL DEATH. Salzberger M, Liban E *Isr J Med Sci* 11: 623-8, Jun 75 (Eng)
FEMALE; FETAL DEATH (etiology, occurrence); HUMAN; ISRAEL; MATERNAL AGE; PLACENTA DISORDERS (complications); PREDIABETIC STATE (complications); PREGNANCY IN DIABETES (complications); PREGNANCY; PROSPECTIVE STUDIES; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

SIGNIFICANCE OF THE ORAL GLUCOSE TOLERANCE TEST PERFORMED ON THE THIRD DAY AFTER DELIVERY FOR THE DIAGNOSIS OF DIABETES IN PREGNANCY. Salzberger M, Sharon A, Liban E *Isr J Med Sci* 11: 629-31, Jun 75 (Eng)

FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; ISRAEL; PREGNANCY IN DIABETES (diagnosis, occurrence); PREGNANCY; PUERPERIUM; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Samaranayaka M

INSECTICIDE-INDUCED RELEASE OF HYPERGLYCAEMIC AND ADIPLINETIC HORMONES OF SCHISTOCERCA GREGARIA. Samaranayaka M *Gen Comp Endocrinol* 24: 424-36, Dec 74 (Eng)

ANIMAL EXPERIMENTS; BEHAVIOR; ANIMAL (drug effects); BODY WEIGHT; CARBOHYDRATES (blood); GLYCOGEN (metabolism); HEMOLYMPH (drug effects); INSECTICIDES (pharmacodynamics); LIPIDS (blood); LOCUSTS; MALE; NEUROSECRETORY SYSTEMS (drug effects, pathology); TIME FACTORS.

Samuelsson B

INHIBITION OF BASAL AND HORMONE-STIMULATED ADENYLATE CYCLASE IN ADIPOCYTE GHOSTS BY THE PROSTAGLANDIN ENDOPEROXIDE PROSTAGLANDIN H₂. Gorman RR, Hamberg M, Samuelsson B *J Biol Chem* 250: 6460-3, 25 Aug 75 (Eng)

Sanchez G

THE EFFECT OF SOME AMINO ACIDS ON CARBOHYDRATE UPTAKE BY TRYPA NOSOMA LEWISI. Sanchez G *Comp Biochem Physiol [A]* 47: 553-8, 1 Feb 74 (Eng)
AMINO ACIDS (pharmacodynamics); ANIMAL EXPERIMENTS; GLUCOSAMINE (metabolism); GLUCOSE (metabolism); GLUTAMINE (pharmacodynamics); LYSINE (pharmacodynamics); PHENYLALANINE (pharmacodynamics); RATS; SERINE (pharmacodynamics); TIME FACTORS; TRYPA NOSOMA LEWISI (metabolism, drug effects); TRYPA NOSOMIASIS; VALINE (pharmacodynamics).

Santos EC

LONG CHAIN FATTY ACID BINDING TO HUMAN PLASMA ALBUMIN. Ashbrook JD, Spector AA, Santos EC, Fletcher JF *J Biol Chem* 250: 2333-8, 25 Mar 75 (Eng)

Diabetes Literature—Author Index

Sartorelli AC

THE EFFECTS OF LOW CONCENTRATIONS OF 2-DEOXY-D-GLUCOSE ON THE GROWTH, SURFACE ARCHITECTURE, AND GLYCOPROTEIN METABOLISM OF P388 LYMPHOMA CELLS. Myers MW, Sartorelli AC *Biochem Biophys Res Commun* 63: 164-71, 3 Mar 75 (Eng)

Sashida T

TIME RELATIONSHIPS IN HORMONE RESPONSES: INCREASED OVARIAN LACTIC ACID PRODUCTION IN VITRO AND ESTROGEN PRODUCTION IN VIVO IN IMMATURE FEMALE RATS TREATED WITH PMS. Sashida T, Johnson DC *Biol Reprod* 12: 212-22, Mar 75 (Eng)

ANIMAL EXPERIMENTS; COMPARATIVE STUDY; CULTURE MEDIA; DIBUTYRYL CYCLIC AMP (pharmacodynamics); ESTRADIOL (blood); ESTROGENS (metabolism); FEMALE; GLYCOLYSIS (drug effects); GONADOTROPINS, EQUINE (pharmacodynamics); HYPOPHYSECTOMY; IMMUNE SERUMS; LACTATES (metabolism); OVARY (metabolism, drug effects); PREGNANT MARES SERUM (pharmacodynamics, immunology); RATS; TIME FACTORS.

Sassin J

HUMAN GROWTH HORMONE RESPONSE TO LEVODOPA. RELATION TO MENOPAUSE, DEPRESSION, AND PLASMA DOPA CONCENTRATION. Sachar EJ, Altman N, Gruen PH, Glassman A, Halpern FS, Sassin J *Arch Gen Psychiatry* 32: 502-3, Apr 75 (Eng)

Sasso D

[PANCREATIC CYSTS] Varola F, Beccaria A, Oliaro A, Sasso D, Villata E, Cirillo R *Minerva Chir* 30: 83-125, 15 Feb 75 (Ita)

Sato A

[PROCEEDINGS: GLUCOSE AND 2-KETOGLUTARATE OXIDATION IN THE HYPOTHALAMUS AND THE ANTERIOR PITUITARY LOBE] Sato A, Onaya T, Yamada T *Folia Endocrinol Jpn* 50: 259, 20 Feb 74 (Jpn)

ANIMAL EXPERIMENTS; GLUCOSE (metabolism); HYPOTHALAMUS (metabolism); KETOGLUTARIC ACIDS (metabolism); OXIDATION-REDUCTION; PITUITARY GLAND (metabolism); PITUITARY GLAND, ANTERIOR (metabolism); SWINE.

[PROCEEDINGS: ETIOLOGICAL CONSIDERATION IN ACROMEGALY: ON THE MULTIRECEPTOR OF THE GROWTH HORMONE SECRETING CELLS] Onaya T, Tsukui T, Sato A, Kobayashi R, Iwasa Y *Folia Endocrinol Jpn* 50: 282, 20 Feb 74 (Jpn)

[PROCEEDINGS: EFFECT OF ACTIVATED AMINES ON CYCLIC GMP LEVELS OF THE CEREBRAL CORTEX, HYPOTHALAMUS AND ANTERIOR PITUITARY GLAND] Sato A, Onaya T, Yamada T *Folia Endocrinol Jpn* 50: 476, 20 Feb 74 (Jpn)

ANIMAL EXPERIMENTS; BIOGENIC AMINES (pharmacodynamics); CEREBRAL CORTEX (metabolism); GUANOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); HYPOTHALAMUS (metabolism); PITUITARY GLAND (metabolism); PITUITARY GLAND, ANTERIOR (metabolism); SWINE.

Sato S

[PROCEEDINGS: ENERGY HOMEOSTASIS. 4. METABOLIC CHANGES AT EPINEPHRINE LOADING IN PATIENTS WITH INSULINOMA] Sakamoto N, Hotta A, Yoshida M, Sato S, Nagashima M *Folia Endocrinol Jpn* 50: 543, 20 Feb 74 (Jpn)

Satrappa T

[METHODS FOR THE DETERMINATION OF SOMATOTROPIN LEVELS USING THE RADIOIMMUNOLOGIC METHOD] Kracmar P, Hnikova O, Korpanova J, Satrappa T *Cesk Fysiol* 24: 73-7, 1975 (Cze)

Saunders A

EFFECTS OF SOMATOSTATIN AND HYPOTHALAMIC VENTROMEDIAL LESIONS ON GH RELEASE INDUCED BY MORPHINE. Martin JB, Audet J, Saunders A *Endocrinology* 96: 839-47, Apr 75 (Eng)

Savary M

INHIBITION OF GROWTH HORMONE AND THYROTROPIN RELEASE BY GROWTH HORMONE-RELEASE INHIBITING HORMONE. Belanger A, Labrie F, Borgeat P, Savary M, Cote J, Drouin J, Schally AV, Coy DH, Coy EJ, Sestanek K, Nelson V, Gotz M, Immer H *Mol Cell Endocrinol* 1: 329-39, Oct 74 (Eng)

Savory J

PHYSIOLOGICAL VARIATIONS IN SERUM TRIGLYCERIDES. Savory J, Sobel RE *Ann Clin Lab Sci* 2: 126-31, Mar-Apr 72 (Eng)
ADULT; AGE FACTORS; CHOLESTEROL (blood); CIRCADIAN RHYTHM; DIURNAL RHYTHM; EATING; FASTING; FEMALE; HUMAN; MALE; MIDDLE AGE; SEX FACTORS; TRIGLYCERIDES (blood).

Sawano S

[PROCEEDINGS: STUDY OF GIF (GROWTH HORMONE INHIBITING FACTOR). (II). EFFECT OF GIF ON PLASMA GH AND PROLACTIN LEVELS OF RATS TREATED WITH NEMBUTOL AND CHLORPROMAZINE] Sawano S, Kokubu T, Ishizuka Y, Baba Y *Folia Endocrinol Jpn* 50: 269, 20 Feb 74 (Jpn)

ANIMAL EXPERIMENTS; CHLORPROMAZINE (pharmacodynamics); MALE; PENTOBARBITAL (pharmacodynamics); PEPTIDES (pharmacodynamics); PROLACTIN (blood); RATS; SOMATOTROPIN (blood).

[PROCEEDINGS: GIF (GROWTH HORMONE INHIBITING FACTOR). (I). BIOLOGICAL ACTIVITIES OF CYCLIZED AND LINEAR GIF IN VITRO] Sawano S, Baba Y *Folia Endocrinol Jpn* 50: 268, 20 Feb 74 (Jpn)

ANIMAL EXPERIMENTS; CHEMISTRY; IN VITRO; PEPTIDES (pharmacodynamics); PITUITARY GLAND (secretion); RADIOIMMUNOASSAY; RATS; SOMATOTROPIN (secretion).

[PROCEEDINGS: PRF ACTIVITY OF THE BOVINE HYPOTHALAMUS] Kokubu T, Shiraki M, Sawano S, Ishizuka Y, Yamazaki M *Folia Endocrinol Jpn* 50: 274, 20 Feb 74 (Jpn)

Sawazaki N

[PROCEEDINGS: ACTION OF RELEASING HORMONES ON VARIOUS ANTERIOR PITUITARY HORMONE SECRETION: ACROMEGALY] Miyai K, Onishi T, Hashimoto T, Sawazaki N, Hosokawa M *Folia Endocrinol Jpn* 50: 275, 20 Feb 74 (Jpn)

Sawin CT

DOUBLE-ANTIBODY RADIOIMMUNOASSAY OF SERUM INSULIN: EFFECT OF USE OF HORMONE-DEPLETED HUMAN SERUM. Silbert CK, Sawin CT *Clin Chem* 21: 1520-2, Sep 75 (Eng)

Sawula B

EFFECTS OF SEA NETTLE TOXIN ON GLUCOSE TRANSPORT IN HAMSTER INTESTINE. Watrous J, Dubyak G, Sawula B *Toxicol* 12: 657-8, Dec 74 (Eng)

Saxena BB

A SENSITIVE, RAPID, AND ECONOMIC RADIOIMMUNOASSAY OF HUMAN GROWTH HORMONE USING ETHANOL-AMMONIUM ACETATE. Saito T, Saxena BB *J Lab Clin Med* 85: 497-504, Mar 75 (Eng)

Scapellato L

[PREVENTION OF DIABETIC ANGIOPATHY OR REVISION OF THE CONCEPT OF CONTROL AND COMPENSATION OF DIABETES AND OF ITS PRACTICAL MANAGEMENT] Scapellato L *Boll Soc Ital Cardiol* 19: 731-8, 1974 (Ita)

CLOFIBRATE (therapeutic use); DIABETES MELLITUS (drug therapy); DIABETIC ANGIOPATHIES (prevention & control, drug therapy); ENGLISH ABSTRACT; HUMAN; MIDDLE AGE; NICOTINIC ACIDS (therapeutic use); PHYSICAL THERAPY.

Scarborough GA

THE MECHANISM OF ARSENATE INHIBITION OF THE GLUCOSE ACTIVE TRANSPORT SYSTEM IN NEUROSPORA CRASSA. Scarborough GA *Arch Biochem Biophys* 166: 245-50, Jan 75 (Eng)

ARSENATES (pharmacodynamics, metabolism); ARSENIC (pharmacodynamics); AZIDES (pharmacodynamics); BIOLOGICAL TRANSPORT, ACTIVE; GLUCOSE (metabolism); MERCAPTOETHANOL (pharmacodynamics); NEUROSPORA CRASSA (metabolism, drug effects); NEUROSPORA (metabolism); RADIOISOTOPES; SORBOSE (metabolism); TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Schadel M

ASSESSING INCIDENCE AND RISK FACTORS IN MYOCARDIAL INFARCTION. Librach G, Schadel M, Seltzer M, Hart A *Geriatrics* 30: 79-82, 89-93, Sep 75 (Eng)

Schafer HJ

[SIGNIFICANCE OF INTRACELLULAR CALCIUM TRANSPORT FOR CELL FUNCTION] Seifert G, Schafer HJ, Schulz A *Dtsch Med Wochenschr* 100: 1854-62, 12 Sep 75 (Ger) [68]

Schally AV

INHIBITION OF GROWTH HORMONE AND THYROTROPIN RELEASE BY GROWTH HORMONE-RELEASE INHIBITING HORMONE. Belanger A, Labrie F, Borgeat P, Savary M, Cote J, Drouin J, Schally AV, Coy DH, Coy EJ, Sestanj K, Nelson V, Gotz M, Immer H *Mol Cell Endocrinol* 1: 329-39, Oct 74 (Eng)

Schang JC

[PANCREATIC TRANSPLANTATION: ENDOCRINE FUNCTION OF THE GRAFTED PANCREAS. CURRENT DATA AND FUTURE PROSPECTS] Eloy R, Jaeck D, Schang JC, Vannareth T, Gillet M, Grenier JF, Moody AJ *Ann Chir* 29: 559-69, Jun 75 (Fre)

Scheffler IE

CONDITIONALLY LETHAL MUTATIONS IN CHINESE HAMSTER CELLS. CHARACTERIZATION OF A CELL LINE WITH A POSSIBLE DEFECT IN THE KREBS CYCLE. DeFrancesco L, Wernitz D, Scheffler IE *J Cell Physiol* 85: 293-305, Apr 75 (Eng)

Schellekens AP

ORIGINAL ARTICLES. Assies J, Schellekens AP, Toubert JL *Neth J Med* 17: 163-73, 1974 (Eng)

Scherer U

[BLOOD LACTATE LEVEL FOLLOWING INTRAVENOUS ADMINISTRATION OF SULFONYLUREA COMPOUNDS IN EQUIPOTENT DOSES, OF GLUCOSE AND COMBINATIONS OF GLUCOSE AND SUL-

FONYLUREA COMPOUNDS IN SUBJECTS WITH NORMAL METABOLISM] Jungmann E, Beyer J, Happ J, Scherer U, Schoffling K *Verh Dtsch Ges Inn Med* 80: 1302-4, 1974 (Ger)

Schettino CM

INFLUENCE OF NUTRITIONAL CHANGES ON LIPOPROTEIN LIPISE ACTIVITY. II: THE EFFECT OF HIGH FAT INTAKE ON LEVELS OF ENZYME OF RAT ADIPOSE TISSUE. Ribeiro LP, Schettino CM, Affonso OR, Mitidieri E *Rev Bras Biol* 31: 219-23, Jun 71 (Eng)

Schilling KJ

SOCIAL AND PSYCHOLOGICAL REHABILITATION OF THE DIABETIC TRANSPLANT PATIENT. Simmons RG, Schilling KJ *Kidney Int* [Suppl] 152-8, Oct 74 (Eng)

Schimpff RM

THE EFFECTS OF HIGH TREATMENT ON SOMATOMEDIN LEVELS IN THE SERUM (AS DETERMINED BY 35-S UPTAKE INTO CARTILAGE). Schimpff RM, Donnadieu M, Gourmelen M, Girard F *Horm Metab Res* 6: 494-8, Nov 74 (Eng)

ADOLESCENCE; BIOLOGICAL ASSAY; BODY HEIGHT; CARTILAGE (metabolism, drug effects); CHICK EMBRYO; CHILD; CHILD, PRESCHOOL; DWARFISM, PITUITARY (drug therapy); FEMALE; HUMAN; HYPOPIUITARISM (drug therapy); MALE; SOMATOMEDIN (blood); SOMATOTROPIN (pharmacodynamics, therapeutic use); SULFATES (metabolism); SULFUR RADIOISOTOPES.

Schippman R

[ETHANOL ELIMINATION IN CHILDHOOD] Schippman R, Wagler S, Zschocke D *Kinderaerzt Prax* 43: 193-201, May 75 (Ger)

AGE FACTORS; ALCOHOL, ETHYL (metabolism, blood, urine); BLOOD SUGAR (analysis); CHILD; CHILD, PRESCHOOL; FEMALE; FRUCTOSE (administration & dosage); GLUCOSE (administration & dosage); GLYCOSURIA (diagnosis); HUMAN; HYPOGLYCEMIA (chemically induced); INFANT; INFANT, NEWBORN; MALE; TIME FACTORS.

Schmid E

DYNAMICS OF CANINE PANCREATIC BLOOD FLOW AND OF INSULIN SECRETION DURING AN INTRAVENOUS GLUCOSE LOAD. Fischer U, Hommel H, Schmid E *Pflugers Arch* 358: 89-100, 9 Jul 75 (Eng)

Schmidt S

[ISOLATION AND PROPERTIES OF AN INSULIN-LIKE PEPTIDE FROM A HIGH MOLECULAR A-COMPOUND OF COMMERCIAL BOVINE INSULIN] Zuhlike H, Kohnert KD, Wilke B, Schmidt S *Acta Biol Med Ger* 33: 399-406, 1974 (Ger)

CATABOLISM OF PROINSULIN AND INSULIN. PROTEOLYTIC ACTIVITIES IN LANGERHANS ISLETS OF RAT AND MICE PANCREAS IN VITRO. Zuhlike H, Jahr H, Schmidt S, Gottschling D, Wilke B, Kansy H, Kaleta C, Pieper I *Acta Biol Med Ger* 33: 407-18, 1974 (Eng)

Schneider E

[SERUM LEVELS OF GROWTH HORMONE IN THE COURSE OF INSULIN-INDUCED HYPOGLYCEMIA IN HYPERTHYROIDISM AND HYPOTHYROIDISM] Schneider E *Pol Tyg Lek* 30: 1311-3, 4-11 Aug 75 (Pol)

ADOLESCENCE; ADULT; BLOOD SUGAR (analysis); ENGLISH ABSTRACT; FEMALE; HUMAN; HYPERTHYROIDISM (blood); HYPOTHYROIDISM (blood); INSULIN (diagnostic use); MALE; MIDDLE AGE; SOMATOTROPIN (blood).

Schneider H

[THE EMPHYSEMATOUS CHOLECYSTITIS] Prager P, Schneider H *Fortschr Geb Roentgenstr Nuklearmed* 122: 563-5, Jun 75 (Ger)

Schneider V

ALTERED HYPOTHALAMIC-PITUITARY-ADRENAL RESPONSIVENESS TO DEXAMETHASONE-INSULIN TOLERANCE TEST IN ACTIVE ACROMEGALY. Hofeldt FD, Levin SR, Von Werder K, Becker N, Schneider V, Hane S, Seymour R, Adams JE, Forsham PH *J Clin Endocrinol Metab* 41: 399-401, Aug 75 (Eng)

Schoeppe W

[PLASMA NORADRENALINE AND ADRENALINE, PLASMA RENIN ACTIVITY AND CYCLIC AMP DURING REST PERIOD AND ORTHOSTATIS IN VARIOUS TYPES OF HYPERTENSION] Brecht HM, Musil HA, Vlachoyannis J, Schoeppe W *Verh Dtsch Ges Inn Med* 80: 245-8, 1974 (Ger)

Schoffling K

[DIABETES MELLITUS—PATHOGENESIS AND DIET THERAPY AS A BASIS FOR TREATMENT] Schoffling K *Med Welt* 26: 1567-71, 5 Sep 75 (Ger)

ADOLESCENCE; ADULT; AGE FACTORS; AGED; ANIMAL; CATTLE; CHILD; CHILD, PRESCHOOL; DIABETES MELLITUS (etiology, diet therapy); FEMALE; HUMAN; INFANT; INFANT, NEWBORN; MALE; MICE; MIDDLE AGE; OBESITY IN DIABETES; PREGNANCY IN DIABETES; PREGNANCY; RATS; VIRUS DISEASES (complications).

[BLOOD LACTATE LEVEL FOLLOWING INTRAVENOUS ADMINISTRATION OF SULFONYLUREA COMPOUNDS IN EQUIPOTENT DOSES, OF GLUCOSE AND COMBINATIONS OF GLUCOSE AND SULFONYLUREA COMPOUNDS IN SUBJECTS WITH NORMAL METABOLISM] Jungmann E, Beyer J, Happ J, Scherer U, Schoffling K *Verh Dtsch Ges Inn Med* 80: 1302-4, 1974 (Ger)

Schramm M

A PERSISTENT ACTIVE STATE OF THE ADENYLATE CYCLASE SYSTEM PRODUCED BY THE COMBINED ACTIONS OF ISOPROTERENOL AND GUANYLYL IMIDODIPHOSPHATE IN FROG ERYTHROCYTE MEMBRANES. Schramm M, Rodbell M *J Biol Chem* 250: 2232-7, 25 Mar 75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ADENOSINE TRIPHOSPHATE; ADENYL CYCLASE (metabolism); AMIDES (pharmacodynamics); ANIMAL EXPERIMENTS; CATECHOLAMINES (pharmacodynamics); CELL MEMBRANE (enzymology); DETERGENTS (pharmacodynamics); ENZYME ACTIVATION; ERYTHROCYTES (enzymology); FROGS; GUANINE NUCLEOTIDES (pharmacodynamics); IN VITRO; ISOPROTERENOL (pharmacodynamics); MAGNESIUM; PROPRANOLOL (pharmacodynamics); SONICATION.

Schreibman PH

HUMAN ADIPOCYTE CHOLESTEROL CONCENTRATION, LOCALIZATION, SYNTHESIS, AND TURNOVER. Schreibman PH, Dell RB *J Clin Invest* 55: 986-93, May 75 (Eng)

ADIPOSE TISSUE (metabolism, analysis); BODY HEIGHT; BODY WEIGHT; CARBON RADIOISOTOPES; CELL COUNT; CHOLESTEROL (metabolism, analysis, blood); CORONARY DISEASE (metabolism); DIETARY FATS; FEMALE; HUMAN; HYPERCHOLESTEREMIA (familial & genetic, metabolism, complications); HYPERLIPIDEMIA (metabolism); MALE; MATHEMATICS; MIDDLE AGE; OBESITY (metabolism); TRITIUM; UNITED STATES GOVERNMENT

Diabetes Literature—Author Index

Schreiter U

SUPPORTED, N.I.H.; XANTHOMATOSIS (metabolism).

Schreiter U

[EFFECT OF PYRIDINOLCARBAMATE ON LIPID METABOLISM OF NORMAL AND ARTERIOSCLEROTIC INTIMA IN HUMAN FEMORAL ARTERIES] Horsch AK, Gilli J, Schreiter U *Verh Dtsch Ges Inn Med* 80: 952-4, 1974 (Ger)

Schrier SL

CHARACTERIZATION OF ERYTHROCYTE MEMBRANE-ASSOCIATED ENZYMES (GLYCERALDEHYDE-3-PHOSPHATE DEHYDROGENASE AND PHOSPHOGLYCERIC KINASE). Schrier SL, Ben-Bassat I, Junga I, Seeger M, Grumet FC *J Lab Clin Med* 85: 797-810, May 75 (Eng)

ANIMAL EXPERIMENTS; ANTIBODIES; CELL MEMBRANE (enzymology, immunology); CYTOSOL (enzymology); ERYTHROCYTES (enzymology); GEL FILTRATION; GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE (blood, immunology, isolation & purification); HEMOLYSIS; HYDROGEN-ION CONCENTRATION; ISOENZYMES (blood); KINETICS; MICE, INBRED C3H; MICE, INBRED C57BL; MICE, INBRED STRAINS; MOLECULAR WEIGHT; PHOSPHOGLYCERATE KINASE (blood, isolation & purification); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Schroter W

ORGANIZATION OF ENZYMES OF GLYCOLYSIS AND OF GLUTATHIONE METABOLISM IN HUMAN RED CELL MEMBRANES. Tillman W, Cordua A, Schroter W *Biochim Biophys Acta* 382: 157-71, 13 Mar 75 (Eng)

Schullery SE

STUDIES ON PHOSPHATIDYLCHOLINE MODEL MEMBRANES. I. IODINE PERMEABILITY MEASUREMENT BY SPECIFIC ION ELECTRODE. Schullery SE *Chem Phys Lipids* 14: 49-58, Feb 75 (Eng)

CHOLESTEROL; ELECTRIC CONDUCTIVITY; ELECTRODES; HYDROGEN-ION CONCENTRATION; IODIDES; KINETICS; LECITHINS; LIPOSOMES; MATHEMATICS; MEMBRANES, ARTIFICIAL; MODELS, BIOLOGICAL; PERMEABILITY; PHOSPHATIDYL CHOLINE; TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Schulz A

[SIGNIFICANCE OF INTRACELLULAR CALCIUM TRANSPORT FOR CELL FUNCTION] Seifert G, Schafer HJ, Schulz A *Dtsch Med Wochenschr* 100: 1854-62, 12 Sep 75 (Ger) [68]

Schumacher HR Jr

LABORATORY DIAGNOSIS OF DEGENERATIVE JOINT DISEASE. Schumacher HR Jr *Ann Clin Lab Sci* 5: 242-7, Jul-Aug 75 (Eng)

ACROMEGALY (complications); ARTHRITIS, RHEUMATOID (diagnosis); DIABETES MELLITUS (complications); DIAGNOSIS, DIFFERENTIAL; EHLERS-DANLOS SYNDROME (complications); HEMOCHROMATOSIS (complications); HEPATOLENTICULAR DEGENERATION (complications); HUMAN; HYPERPARATHYROIDISM (complications); HYPOTHYROIDISM (complications); OCHRONOSIS (complications); OSTEOARTHRITIS (diagnosis, etiology); SYNOVIAL FLUID (analysis); SYPHILIS (complications).

Schutterle G

[RELATIONSHIP BETWEEN UREMIA POLYNEUROPATHY, UREMIC GLUCOSE

METABOLISM DISORDER AND SEVERITY OF UREMIC INTOXICATION IN DIALYSIS PATIENTS] Goubaud G, Kunze K, Hohmann KH, Schutterle G, Biro G *Verh Dtsch Ges Inn Med* 80: 728-31, 1974 (Ger)

Schwabe U

BIPHASIC EFFECT OF 5-GUANYLYLMIDODIPHOSPHATE ON FAT CELL ADENYLATE CYCLASE. Ebert R, Schwabe U *Naunyn Schmiedeberg Arch Pharmacol* 286: 297-313, 1974 (Eng)

Schwalb H

[RISK FACTORS OF CORONARY HEART DISEASES IN HOSPITALIZED PSYCHIC PATIENTS] Schwalb H *Munch Med Wochenschr* 117: 1181-8, 11 Jul 75 (Ger)

ADULT; AGED; ANTISOCIAL PERSONALITY (complications); BLOOD SUGAR (analysis); CHRONIC DISEASE; CORONARY DISEASE (etiology); DIABETES MELLITUS (complications); ELECTROCARDIOGRAPHY; ENGLISH ABSTRACT; FEMALE; GERMANY, WEST; HOSPITALS, PSYCHIATRIC; HUMAN; HYPERLIPIDEMIA (complications); HYPERTENSION (complications); MALE; MENTAL DISORDERS (complications); MENTAL RETARDATION; MIDDLE AGE; OBESITY (complications); PROSPECTIVE STUDIES; PSYCHOSES, ORGANIC (complications); SCHIZOPHRENIA (complications); SMOKING.

Schwartz AL

HORMONAL REGULATION OF INCORPORATION OF ALANINE-U-14C INTO GLUCOSE IN HUMAN FETAL LYVER EXPLANTS. EFFECT OF DIBUTYRYL CYCLIC AMP, GLUCAGON, INSULIN, AND TRIAMCINOLONE. Schwartz AL, Rall TW *Diabetes* 24: 650-7, Jul 75 (Eng)

ALANINE (metabolism); DIBUTYRYL CYCLIC AMP (pharmacodynamics); DRUG SYNERGISM; FEMALE; FETUS; GLUCAGON (pharmacodynamics); GLUCONEOGENESIS; HUMAN; INSULIN (pharmacodynamics); KINETICS; LIVER GLYCOGEN (biosynthesis); LIVER (metabolism); ORGAN CULTURE; PREGNANCY; THEOPHYLLINE (pharmacodynamics); TRIAMCINOLONE (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Schwartz CJ

FOCAL DIFFERENCES IN LIPID METABOLISM OF THE YOUNG PIG AORTA. SYNTHESIS FROM [1-14C]ACETATE AND [U-14C]GLUCOSE IN VITRO. Somer JB, Bell FP, Schwartz CJ *Atherosclerosis* 20: 11-21, Jul-Aug 74 (Eng)

Scott RA

MECHANISMS FOR ELECTRON TRANSFER ASSISTED PHOSPHORYLATION, AND ATP HYDROLYSIS. Haight GP, Scott RA, Woltermann GM *Physiol Chem Phys* 6: 375-8, 1974 (Eng)

Scott RC

DIABETES AND THE HEART. Scott RC *Am Heart J* 90: 283-9, Sep 75 (Eng) [83]

ADULT; CARBOHYDRATES (metabolism); CHYLOMICRONS (blood); CORONARY DISEASE (occurrence, etiology, blood); DIABETES MELLITUS (complications, occurrence, mortality); DIABETES MELLITUS, JUVENILE (physiopathology); DIETARY CARBOHYDRATES; FEMALE; HUMAN; HYPERCHOLESTEREMIA (complications); HYPERGLYCEMIA (complications); HYPERINSULINISM (complications); HYPERLIPIDEMIA (complications); INSULIN (deficiency, secretion); MALE; MYOCARDIAL INFARCT (occurrence, mortality); OBESITY IN

DIABETES (complications); REVIEW; TRIGLYCERIDES (blood).

Scott RF

UPTAKE, OXIDATION, AND ESTERIFICATION OF FREE FATTY ACIDS IN NORMAL AND ATHEROSCLEROTIC RABBIT AORTA. Morrison ES, Scott RF, Kroms M, Frick J *Biochem Med* 11: 153-64, Oct 74 (Eng)

Scow RO

PHARYNGEAL LIPASE AND DIGESTION OF DIETARY TRIGLYCERIDE IN MAN. Hamosh M, Klieveman HL, Wolf RO, Scow RO *J Clin Invest* 55: 908-13, May 75 (Eng)

Scribner BH

NEUROPATHY IN DIALYZED DIABETIC PATIENTS. Blagg CR, Tenckhoff H, Scribner BH *Kidney Int [Suppl]* 86-9, Oct 74 (Eng)

Searle GL

LACTIC ACIDOSIS ASSOCIATED WITH PHENFORMIN THERAPY. EVIDENCE THAT INHIBITED LACTATE OXIDATION IS THE CAUSATIVE FACTOR. Searle GL, Siperstein MD *Diabetes* 24: 741-5, Aug 75 (Eng)

ACIDOSIS (chemically induced); AEROBIOSIS; BLOOD SUGAR (metabolism); CARBON DIOXIDE (metabolism); DIABETES MELLITUS (metabolism, drug therapy); DIABETIC NEPHROPATHIES (metabolism); HUMAN; LACTATES (metabolism, diagnostic use); MALE; OXIDATION-REDUCTION; PHENFORMIN (adverse effects, therapeutic use); UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Secord DC

EXERCISE AND FAT CELLS IN THE RAT. Gardiner PF, Ness GW, Secord DC, Taylor AW *Rev Can Biol* 33: 295-300, Dec 74 (Eng)

Seeger M

CHARACTERIZATION OF ERYTHROCYTE MEMBRANE-ASSOCIATED ENZYMES (GLYCERALDEHYDE-3-PHOSPHATE DEHYDROGENASE AND PHOSPHOGLYCERIC KINASE). Schrier SL, Ben-Bassat I, Junga I, Seeger M, Grumet FC *J Lab Clin Med* 85: 797-810, May 75 (Eng)

Segrest JP

THE EFFECTS OF THE MEMBRANE-PENETRATING POLYPEPTIDE SEGMENT OF THE HUMAN ERYTHROCYTE MN-GLYCOPROTEIN ON THE PERMEABILITY OF MODEL LIPID MEMBRANES. Lea EJA, Rich GT, Segrest JP *Biochim Biophys Acta* 382: 41-50, 28 Feb 75 (Eng)

Seifert G

[SIGNIFICANCE OF INTRACELLULAR CALCIUM TRANSPORT FOR CELL FUNCTION] Seifert G, Schafer HJ, Schulz A *Dtsch Med Wochenschr* 100: 1854-62, 12 Sep 75 (Ger) [68]

BIOLOGICAL TRANSPORT; BIOLOGICAL TRANSPORT, ACTIVE; CALCIUM (metabolism); CELLS (metabolism); HUMAN; INSULIN (secretion); METHODS; MYOCARDIUM (metabolism); OSTEOBLASTS; OSTEOCLASTS; OSTEOCYTES; REVIEW.

Seligson D

DIRECT DETERMINATION OF TOTAL SERUM CHOLESTEROL BY USE OF DOUBLE-WAVELENGTH SPECTROPHOTOMETRY. Sommers PB, Jatlow PI, Seligson D *Clin Chem* 21: 703-7, May 75 (Eng)

Seltzer M

ASSESSING INCIDENCE AND RISK FACTORS IN MYOCARDIAL INFARCTION. Librach G, Schadel M, Seltzer M, Hart A *Geriatrics* 30: 79-82, 89-93, Sep 75 (Eng)

Diabetes Literature—Author Index

Sheppard JR

Senoo H

[PROCEEDINGS: PROTEIN BINDING OF CORTISOL AND GLUCOSE METABOLISM INHIBITOR BY THYMIC CELLS] Senoo H, Niimi M, Matsui N *Folia Endocrinol Jpn* 50: 339, 20 Feb 74 (Jpn)

ANIMAL EXPERIMENTS; GLUCOSE (metabolism); HYDROCORTISONE (metabolism); PROTEIN BINDING; RATS; THYMUS GLAND (cytology).

Serck-Hanssen G

THE ADRENAL MEDULLA: A MODEL FOR STUDIES OF HORMONAL AND NEURONAL STORAGE AND RELEASE MECHANISMS. Helle KB, Serck-Hanssen G *Mol Cell Biochem* 6: 127-46, 28 Feb 75 (Eng) [118]

Sergeev OI

[MODERN THERAPY OF DIABETES MELLITUS IN OBESE PATIENTS] Liashko KJa, Severova TM, Peregudov Ala, Sergeev OI *Sov Med* 106-10, Jun 75 (Rus)

Serr DM

MATERNAL AND FETAL RESPONSE TO RAPID GLUCOSE LOADING IN PREGNANCY AND LABOR. Zakut H, Mashlach S, Blankstein J, Serr DM *Isr J Med Sci* 11: 632-7, Jun 75 (Eng)

Service FJ

METABOLIC PROBLEMS IN DIABETIC PATIENTS UNDERGOING RENAL TRANSPLANTATION. Palumbo PJ, Woods JE, Johnson WJ, Service FJ *Kidney Int [Suppl]* 58-62, Oct 74 (Eng)

Sestanik K

INHIBITION OF GROWTH HORMONE AND THYROTROPIN RELEASE BY GROWTH HORMONE-RELEASE INHIBITING HORMONE. Belanger A, Labrie F, Borgeat P, Savary M, Cote J, Drouin J, Schally AV, Coy DH, Coy EJ, Sestanik K, Nelson V, Gotz M, Immer H *Mol Cell Endocrinol* 1: 329-39, Oct 74 (Eng)

Seubert

ON THE MECHANISM AND CONTROL OF THE MALONYL-COA-DEPENDENT CHAIN ELONGATION OF FATTY ACIDS. THE MALONYL-TRANSFER REACTION. Podack ER, Saathoff G, Seubert *Eur J Biochem* 50: 237-43, 16 Dec 74 (Eng)

Seubert W

PROTECTION OF RENAL PHOSPHOENOLPYRUVATE CARBOXYKINASE AGAINST DEGRADATION IN VITRO BY ATP, CYCLIC AMP AND AMINO ACIDS. Seubert W, Peters HH, Boie-Nath A *Biochem Biophys Res Commun* 63: 36-42, 3 Mar 75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); ADENOSINE TRIPHOSPHATE (pharmacodynamics); AMINO ACIDS (pharmacodynamics); ANIMAL EXPERIMENTS; GLUCONEOGENESIS (drug effects); GLUTAMINE (pharmacodynamics); KIDNEY CORTEX (enzymology, drug effects); KIDNEY TUBULES (enzymology, drug effects); KINETICS; LYSINE (pharmacodynamics); PHOSPHOENOLPYRUVATE CARBOXYKINASES (metabolism); RATS; TIME FACTORS.

Severova TM

[MODERN THERAPY OF DIABETES MELLITUS IN OBESE PATIENTS] Liashko KJa, Severova TM, Peregudov Ala, Sergeev OI *Sov Med* 106-10, Jun 75 (Rus)

Seymour R

ALTERED HYPOTHALAMIC-PITUITARY-ADRENAL RESPONSIVENESS TO DEXAMETHASONE-INSULIN TOLERANCE TEST IN ACTIVE ACROMEGALY. Hofeldt FD,

Levin SR, Von Werder K, Becker N, Schneider V, Hane S, Seymour R, Adams JE, Forsham PH *J Clin Endocrinol Metab* 41: 399-401, Aug 75 (Eng)

Shaafi RI

MEMBRANE PROTEINS RELATED TO WATER TRANSPORT IN HUMAN ERYTHROCYTES. Brown PA, Feinstein MB, Shaafi RI *Nature* 254: 523-5, 10 Apr 75 (Eng)

Shafir E

HYPERLIPIDEMIA AND HEPATIC HYPERLIPOGENESIS IN SPINY MICE (ACOMYS CAHIRINUS) ON CARBOHYDRATE DIETS: RELATIONSHIP TO PERIPHERAL UNDER-RESPONSIVENESS AND LOW INSULIN RELEASE. Shafir E, Benchimol A, Orevi M *Isr J Med Sci* 11: 738-52, Jul 75 (Eng)

ADIPOSE TISSUE (metabolism, enzymology); ANIMAL; CARBOHYDRATES (metabolism); COMPARATIVE STUDY; DIETARY CARBOHYDRATES (metabolism); DISEASE MODELS, ANIMAL; ENZYME ACTIVATION (drug effects); GLUCOSE (metabolism); HYPERLIPIDEMIA (metabolism); INSULIN (secretion, pharmacodynamics); LIPIDS (metabolism); LIPOPROTEIN LIPASE (metabolism); LIVER (metabolism, enzymology); MALE; MICE (metabolism); ORGAN WEIGHT (drug effects); RODENT DISEASES (metabolism); SECRETORY RATE (drug effects); TRIGLYCERIDES (biosynthesis).

Shainfeld FJ

ERRORS IN INSULIN DOSES DUE TO THE DESIGN OF INSULIN SYRINGES. Shainfeld FJ *Pediatrics* 56: 302-3, Aug 75 (Eng)

ADOLESCENCE; ADULT; CASE REPORT; FEMALE; HUMAN; HYPERGLYCEMIA (chemically induced); HYPOGLYCEMIA (chemically induced); INSULIN (administration & dosage, adverse effects); SYRINGES (standards).

Shaklai M

[LOSS OF CONSCIOUSNESS IN A DIABETIC PATIENT] Shaklai M, Pinchas I, De-Vries A *Harefuah* 88: 536, 1 Jun 75 (Heb)

AGED; DIABETES MELLITUS (complications); FEMALE; HUMAN; UNCONSCIOUSNESS (etiology).

Shapiro DJ

MAINTENANCE PERITONEAL DIALYSIS AS AN ALTERNATIVE IN THE PATIENT WITH DIABETES MELLITUS AND END-STAGE UREMIA. Blumenkrantz MJ, Shapiro DJ, Mimura N, Greopoulos DG, Griedler RM, Levin S, Tenckhoff H, Coburn JW *Kidney Int [Suppl]* 108-14, Oct 74 (Eng)

Shapiro FL

PSYCHOSOCIAL PROBLEMS IN DIALYZED IDIABETIC PATIENTS. Comty CM, Leonard A, Shapiro FL *Kidney Int [Suppl]* 144-51, Oct 74 (Eng)

NUTRITIONAL AND METABOLIC PROBLEMS IN THE DIALYZED PATIENT WITH DIABETES MELLITUS. Comty CM, Leonard A, Shapiro FL *Kidney Int [Suppl]* 51-7, Oct 74 (Eng)

MORTALITY, MORBIDITY AND REHABILITATION RESULTS IN REGULARLY DIALYZED PATIENTS WITH DIABETES MELLITUS. Shapiro FL, Leonard A, Comty CM *Kidney Int [Suppl]* 8-14, Oct 74 (Eng)

ADULT; AGED; BLINDNESS (etiology); BLOOD PRESSURE; DIABETIC NEPHROPATHIES (mortality, rehabilitation, complications); FEMALE; HEMODIALYSIS; HUMAN; KIDNEY (physiopathology); LENGTH OF STAY; MALE; MIDDLE AGE; PROSPECTIVE STUDIES; RETROSPECTIVE STUDIES; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Shapiro S

REGULATION OF IN VITRO INSULIN RELEASE FROM A TRANSPLANTABLE SYRIAN HAMSTER INSULINOMA. Shapiro S, Eto S, Fleischer N, Baum SG *Endocrinology* 97: 442-7, Aug 75 (Eng)

ADENYL CYCLASE (metabolism); ANIMAL; DIBUTYRYL CYCLIC AMP (pharmacodynamics); FEMALE; GLUCAGON (pharmacodynamics); GLUCOSE (pharmacodynamics); HAMSTERS; IN VITRO; INSULIN (secretion, immunology); ISLANDS OF LANGERHANS (drug effects, enzymology); ISLET CELL TUMOR (secretion); SOMATOTROPIN RELEASE INHIBITING HORMONE (pharmacodynamics); THEOPHYLLINE (pharmacodynamics); TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Sharma HM

A SUGGESTED ROLE FOR HYDROGEN PEROXIDE IN THE BIOSYNTHESIS OF PROSTAGLANDINS. Panganamala RV, Sharma HM, Sprecher H, Geer JC, Cornwell DG *Prostaglandins* 8: 3-11, 10 Oct 74 (Eng)

THE GROSS AND HISTOLOGIC APPEARANCE AND THE LIPID COMPOSITION OF NORMAL INTIMA AND LESIONS FROM HUMAN CORONARY ARTERIES AND AORTA. Panganamala RV, Geer JC, Sharma HM, Cornwell DG *Atherosclerosis* 20: 93-104, Jul-Aug 74 (Eng)

Sharon A

SIGNIFICANCE OF THE ORAL GLUCOSE TOLERANCE TEST PERFORMED ON THE THIRD DAY AFTER DELIVERY FOR THE DIAGNOSIS OF DIABETES IN PREGNANCY. Salzberger M, Sharon A, Liban E *Isr J Med Sci* 11: 629-31, Jun 75 (Eng)

Shaw L

COUPLING OF ALANINE RACEMASE AND D-ALANINE DEHYDROGENASE TO ACTIVE TRANSPORT OF AMINO ACIDS IN ESCHERICHIA COLI B MEMBRANE VESICLES. Kaczorowski G, Shaw L, F-entes M, Walsh C *J Biol Chem* 250: 2855-65, 25 Apr 75 (Eng)

Shearer MJ

STUDIES ON THE ABSORPTION AND METABOLISM OF PHYLLQUINONE (VITAMIN K1) IN MAN. Shearer MJ, McNabney A, Barkhan P *Vitam Horm* 32: 513-42, 1974 (Eng) [34]

ADULT; ALKYLATION; BIOLOGICAL TRANSPORT; CELIAC DISEASE (metabolism); DIETARY FATS (administration & dosage); FECES (analysis); HUMAN; INFANT; INTESTINAL ABSORPTION; INTESTINES (microbiology); JAUNDICE, OBSTRUCTIVE (metabolism); LIPIDS (metabolism); MALABSORPTION SYNDROMES (metabolism); MENADIONE (metabolism); OXIDES (metabolism); PANCREATITIS (metabolism); PHYTONADIONE (metabolism); REVIEW; TRITIUM; WARFARIN (pharmacodynamics).

Shepherd RE

LACK OF FEEDBACK REGULATION OF CYCLIC 3:5-AMP ACCUMULATION BY FREE FATTY ACIDS IN CHICKEN FAT CELLS. Malgieri JA, Shepherd RE, Fain JN *J Biol Chem* 250: 6593-8, 25 Aug 75 (Eng)

Sheppard JR

CYCLIC AMP, MEMBRANE TRANSPORT AND CELL DIVISION. I. EFFECTS OF VARIOUS CHEMICALS ON CYCLIC AMP LEVELS AND RATE OF TRANSPORT OF NUCLEOSIDES, HYPOXANTHINE AND DEOXYGLUCOSE IN SEVERAL LINES OF CULTURED CELLS. Sheppard JR, Plagemann PG *J Cell Physiol* 85: 163-72, Apr 75 (Eng)

Diabetes Literature—Author Index

Sheps SG

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (biosynthesis); BIOLOGICAL TRANSPORT, ACTIVE (drug effects); CELL DIVISION (drug effects); CELL LINE; CELL MEMBRANE (metabolism); CELL TRANSFORMATION, NEOPLASTIC; CELLS, CULTURED (metabolism); CYTOCHALASIN B (pharmacodynamics); DEOXY SUGARS (metabolism); DEOXYGLUCOSE (metabolism); DEPRESSION, CHEMICAL; DIBUTYRYL CYCLIC AMP (pharmacodynamics); DIPYRIDAMOLE (pharmacodynamics); GLIOMA; HEPATOMA; HYPOXANTHINES (metabolism); ISOPROTERENOL (pharmacodynamics); L CELLS; MICE; PAPAVERINE (pharmacodynamics); PROSTAGLANDINS (pharmacodynamics); RATS; THYMIDINE (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; URIDINE (metabolism).

Sheps SG

GLUCAGON-BLOOD CATECHOLAMINE TEST: USE IN ISOLATED AND FAMILIAL PHEOCHROMOCYTOMA. Siqueira-Filho AG, Sheps SG, Maher FT, Jiang NS, Elveback LR *Arch Intern Med* 135: 1227-31, Sep 75 (Eng)

Shideman JR

RENAL TRANSPLANTATION IN INSULIN-DEPENDENT DIABETIC PATIENTS. Kjellstrand CM, Shideman JR, Simmons RL, Buselmeier TJ, von Hartitzsch B, Goetz FC, Najarian JS *Kidney Int [Suppl]* 15-20, Oct 74 (Eng)

Shiina M

[PROCEEDINGS: SIGNIFICANCE OF GLYCOGEN METABOLISM OF THE ANTERIOR PITUITARY LOBE IN THE MECHANISMS OF LH AND FSH RELEASE] Makino T, Takahata H, Shiina M, Iizuka R, Ono T *Folia Endocrinol Jpn* 50: 260, 20 Feb 74 (Jpn)

Shimada Y

AN ELECTRO-OCULOGRAPHIC STUDY OF OCULAR BOBBING AND INTERMITTENT VERTICAL OSCILLATIONS OCCURRING IN THE SAME PATIENT. Nakanishi T, Inoue K, Shimada Y, Toyokura Y *J Neurol* 210: 161-6, 22 Sep 75 (Eng)

Shimamoto K

[PROCEEDINGS: PROLACTIN SECRETION DYNAMICS IN NORMAL SUBJECTS] Shimamoto K, Orimo H *Folia Endocrinol Jpn* 50: 295, 20 Feb 74 (Jpn)

AGING; FEMALE; HUMAN; MALE; PROLACTIN (secretion); SEX FACTORS.

Shimanaka J

STUDIES ON THE COMMON ACTIVE SITE OF GROWTH HORMONE. REVISION OF THE AMINO ACID SEQUENCE OF AN ACTIVE FRAGMENT OF BOVINE GROWTH HORMONE. Yamasaki N, Shimanaka J, Sonenberg M *J Biol Chem* 250: 2510-4, 10 Apr 75 (Eng)

Shimizu M

EFFECT OF GLUCOSE IN ISOPROTERENOL-INDUCED NECROTIC HEART UNDER ANOXIC PERFUSION. Tsuboi T, Osawa Y, Ishikawa K, Yoshida K, Shimizu M *J Pharmacol* 24: 803-8, Oct 74 (Eng)

Shimizu T

[PROCEEDINGS: DEFICIENCIES OF GROWTH HORMONE, THYROID STIMULATING HORMONE AND GONAD STIMULATING HORMONE IN A BROTHER AND SISTER] Shishiba Y, Shimizu T, Ozawa Y, Kawabata T *Folia Endocrinol Jpn* 50: 625, 20 Feb 74 (Jpn)

Shimoyama A

[PROCEEDINGS: PITUITARY APOPLEXY COMPLICATING THE CLINICAL COURSE

OF ACROMEGALY] Abe T, Hino M, Shimoyama A, Hirata Y *Folia Endocrinol Jpn* 50: 283, 20 Feb 74 (Jpn)

Shintani A

[PROCEEDINGS: EFFECT OF PITUITARY STALK SECTION ON GROWTH HORMONE AND CORTISOL SECRETION IN RHESUS MONKEY] Kuwayama A, Shintani A, Kageyama N, Zervas NT *Folia Endocrinol Jpn* 50: 280, 20 Feb 74 (Jpn)

Shipman PA

DIFFERENCES IN PROLIFERATIVE ACTIVITY OF RAT AND HUMAN PROSTATE IN CULTURE. Shipman PA, Littlewood V, Riches AC, Thomas GH *Br J Cancer* 31: 570-80, May 75 (Eng)

AGE FACTORS; ANIMAL; CELL DIFFERENTIATION; CELL DIVISION (drug effects); COMPARATIVE STUDY; HUMAN; INSULIN (pharmacodynamics); KINETICS; MALE; ORGAN CULTURE; PROSTATE (cytology); PROSTATIC HYPERTROPHY (pathology); RATS; TESTOSTERONE (pharmacodynamics).

Shiraki M

[PROCEEDINGS: PRF ACTIVITY OF THE BOVINE HYPOTHALAMUS] Kokubu T, Shiraki M, Sawano S, Ishizuka Y, Yamazaki M *Folia Endocrinol Jpn* 50: 274, 20 Feb 74 (Jpn)

Shishiba Y

[PROCEEDINGS: DEFICIENCIES OF GROWTH HORMONE, THYROID STIMULATING HORMONE AND GONAD STIMULATING HORMONE IN A BROTHER AND SISTER] Shishiba Y, Shimizu T, Ozawa Y, Kawabata T *Folia Endocrinol Jpn* 50: 625, 20 Feb 74 (Jpn)

ADULT; ENDOCRINE DISEASES (familial & genetic); FEMALE; GONADOTROPINS (deficiency); HUMAN; MALE; SOMATOTROPIN (deficiency); THYROTROPIN (deficiency).

Shlimovich PB

[ENDOCRINE FUNCTION OF THE GASTROINTESTINAL TRACT] Shlimovich PB, Khommel Kh, Fisher U *Sov Med* 68-73, Jun 75 (Rus)

CHOLECYSTOKININ (secretion, physiology); GASTRIN (secretion, physiology); GASTROINTESTINAL HORMONES (secretion); GLUCAGON (secretion, physiology); HUMAN; INTESTINAL SECRETIONS (physiology); PANCREOZYMIN (secretion, physiology); PEPTIC ULCER (physiopathology); SECRETIN (secretion, physiology); STOMACH (physiopathology).

Sholiton LJ

PLASMA RENIN ACTIVITY IN JUVENILE DIABETES MELLITUS AND EFFECT OF DIAZOXIDE. Gossain VV, Werk EE, Sholiton LJ, Srivastava L, Knowles HC Jr *Diabetes* 24: 833-5, Sep 75 (Eng)

Siegel MI

EPINEPHRINE STIMULATION OF FAT CELL ADENYLATE CYCLASE: REGULATION BY GUANOSINE-5-TRIPHOSPHATE AND MAGNESIUM ION. Siegel MI, Cuatrecasas P *Mol Cell Endocrinol* 1: 89-98, Apr 74 (Eng)

ADENOSINE TRIPHOSPHATE (metabolism); ADENYL CYCLASE (metabolism); ADIPOSE TISSUE (enzymology); ANIMAL EXPERIMENTS; CELL MEMBRANE (enzymology); EPINEPHRINE (pharmacodynamics); GUANOSINE TRIPHOSPHATE (pharmacodynamics); IN VITRO; MAGNESIUM (pharmacodynamics); MALE; RATS; STIMULATION, CHEMICAL.

Siekert RG

CHOLESTEROL BALANCE IN ATHEROSCLEROSIS-SUSCEPTIBLE ATHEROSCLEROSIS-RESISTANT PIGEONS. Siekert RG, Dicke BA, Subbiah MT, Kottke BA *Res Commun Chem Pathol Pharmacol* 10: 181-4, Jan 75 (Eng)

ANIMAL EXPERIMENTS; ARTERIOSCLEROSIS (metabolism); BILE ACIDS AND SALTS (analysis); BODY WEIGHT; CHOLESTEROL (metabolism, blood); DIET; ATHEROGENIC; FECES (analysis); FEEDING BEHAVIOR; PIGEONS (metabolism); STEROLS (analysis); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Siesjo BK

CEREBRAL METABOLISM IN HYPOXIC HYPOXIA. I. PATTERN OF ACTIVATION OF GLYCOLYSIS: A RE-EVALUATION. Norberg K, Siesjo BK *Brain Res* 86: 31-44, 14 Mar 75 (Eng)

Silbernick CL

DEVELOPMENT OF HYPERBETALOPROTEINEMIA IN PIGS FED ATHEROGENIC DIET. Hill EG, Silbernick CL *Lipids* 10: 41-3, Jan 75 (Eng)

Silbert CK

DOUBLE-ANTIBODY RADIOIMMUNOASSAY OF SERUM INSULIN: EFFECT OF USE OF HORMONE-DEPLETED HUMAN SERUM. Silbert CK, Sawin CT *Clin Chem* 21: 1520-2, Sep 75 (Eng)

BLOOD; CHARCOAL; COMPARATIVE STUDY; DEXTRAN; DIALYSIS; HUMAN; INSULIN (blood, immunology); RADIOIMMUNOASSAY.

Siliprandi D

PHOSPHATE TRANSPORT ACROSS THE MITOCHONDRIAL MEMBRANE: THE INFLUENCE OF THIOL OXIDATION AND OF MG& ON INHIBITION BY MERCURIALS. Siliprandi D, Toninello A, Zoccarato F, Bindoli A *FEBS Lett* 51: 15-7, 1 Mar 75 (Eng)

AMIDES (pharmacodynamics); ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT; DICARBOXYLIC ACIDS (pharmacodynamics); DIURETICS, MERCURIAL (pharmacodynamics); KINETICS; MAGNESIUM (pharmacodynamics); MEMBRANES (metabolism, drug effects); MERSALYL (pharmacodynamics); MITOCHONDRIA, LIVER (metabolism, drug effects); PHOSPHATES (metabolism); PHOSPHATES, INORGANIC (metabolism); RATS; SULFHYDRYL COMPOUNDS (metabolism); SULFHYDRYL REAGENTS (pharmacodynamics).

Sillence DO

LETTER: GLIBENCLAMIDE-INDUCED HYPOGLYCAEMIA. Sillence DO, Court JM *Br Med J* 3: 490-1, 23 Aug 75 (Eng)

CASE REPORT; CHILD, PRESCHOOL; GLIBENCLAMIDE (poisoning); GLUCOSE (therapeutic use); HUMAN; HYPOGLYCEMIA (chemically induced, drug therapy, complications); MALE; OCULOMOTOR PARALYSIS (etiology).

Silverstone FA

CHANGES IN CARBOHYDRATE TOLERANCE DURING LONG-TERM ORAL CONTRACEPTION. Posner NA, Silverstone FA, Tobin EH, Breuer J *Am J Obstet Gynecol* 123: 119-27, 15 Sep 75 (Eng)

Simionescu L

[INFLUENCE OF EXPERIMENTAL HYPER- AND HYPOTHYROIDISM ON THE METABOLISM OF RADIOACTIVE INSULIN AT THE LEVEL OF THE LIVER IN RATS] Costiner E, Simionescu L, Oprea M *Stud Cercet Endocrinol* 23: 253-8, 1972 (Rum)

Simkova D

ULTRASTRUCTURE OF THE MOUSE PANCREAS AFTER AUROTHIOGLUCOSE ADMINISTRATION. Simkova D, Belak M, Boda K, Kosta K, Dianovska M *Acta Biol Acad Sci Hung* 25: 205-12, 1974 (Eng)
ANIMAL; AUROTHIOGLUCOSE (pharmacodynamics); ENDOPLASMIC RETICULUM (drug effects, ultrastructure); GOLD (pharmacodynamics); ISLANDS OF LANGERHANS (ultrastructure, drug effects); LYSOSOMES (drug effects); MICE; MITOCHONDRIA (drug effects); PANCREAS (drug effects, ultrastructure); RIBOSOMES (drug effects).

Simmons MA

PLACENTAL PRODUCTION AND FOETAL UTILISATION OF LACTATE AND PYRUVATE. Burd LI, Jones MD Jr, Simmons MA, Makowski EL, Meschia G, Battaglia FC *Nature* 254: 710-1, 24 Apr 75 (Eng)

Simmons RG

SOCIAL AND PSYCHOLOGICAL REHABILITATION OF THE DIABETIC TRANSPLANT PATIENT. Simmons RG, Schilling KJ *Kidney Int [Suppl]* 152-8, Oct 74 (Eng)

ACTIVITIES OF DAILY LIVING; ADAPTATION, PSYCHOLOGICAL; ADOLESCENCE; ANXIETY (etiology); DIABETES MELLITUS (complications); DIABETIC NEPHROPATHIES (rehabilitation, surgery); EDUCATIONAL STATUS; EMPLOYMENT; FEMALE; HAPPINESS; HUMAN; KIDNEY (transplantation); MALE; PSYCHOSES (etiology); REHABILITATION, VOCATIONAL; ROLE; SELF CONCEPT; SOCIAL ADJUSTMENT; SUICIDE; TRANSPLANTATION, HOMOLOGOUS; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Simmons RL

SURGICAL ASPECTS OF TRANSPLANTATION IN DIABETIC PATIENTS. Simmons RL, Kjellstrand CM, Kyriakides GK, Rattazzi LC, Spanos PK, Casali R, Najarian JS *Kidney Int [Suppl]* 129-32, Oct 74 (Eng)

ADULT; BLADDER FISTULA (etiology); DIABETIC NEPHROPATHIES (surgery); FEMALE; HUMAN; KIDNEY (transplantation); MALE; MIDDLE AGE; POSTOPERATIVE COMPLICATIONS; SURGICAL WOUND INFECTION (etiology); TRANSPLANTATION, HOMOLOGOUS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; URETERAL DISEASES (etiology); URETERAL OBSTRUCTION (etiology); URINARY FISTULA (etiology).

RENAL TRANSPLANTATION IN INSULIN-DEPENDENT DIABETIC PATIENTS. Kjellstrand CM, Shideman JR, Simmons RL, Buselmeier TJ, von Hartitzsch B, Goetz FC, Najarian JS *Kidney Int [Suppl]* 15-20, Oct 74 (Eng)

Simon KH

[SERUM LIPIDS: II. PHYSIOLOGY OF BLOOD LIPIDS - III. METHODS OF DEMONSTRATION] Simon KH *Med Monatsschr* 29: 36-9, Jan 75 (Ger)

GLYCERIN (blood); HUMAN; LIPIDS (blood, physiology); TRIGLYCERIDES (blood).

Simon NM

MAINTENANCE DIALYSIS FOR DIABETIC NEPHROPATHY WITH UREMIA. Huang C, del Greco F, Ivanovich P, Krumlovsky FA, Roguska J, Simon NM, Hano J *J Chronic Dis* 28: 365-74, Aug 75 (Eng)

Simons LA

TYPE V HYPERLIPOPROTEINAEMIA REVISITED: FINDINGS IN A SYDNEY POPULATION. Simons LA, Williams PF, Turtle JR *Aust NZ J Med* 5: 210-9, Jun 75 (Eng)

ADULT; ALCOHOLISM (complications); AUSTRALIA; CHOLESTEROL (blood); DIABETES MELLITUS (complications); DIETARY CARBOHYDRATES (administration & dosage); GOUT (complications); HUMAN; HYPERLIPEMIA (complications, blood, diet therapy); LIPOPROTEINS (blood); LIPOPROTEINS, VLDL (blood); MALE; MIDDLE AGE; OBESITY (complications); POTASSIUM (blood); SODIUM (blood); TRIGLYCERIDES (blood); VASCULAR DISEASES (complications).

Simpson JL

CAN THE OXYTOCIN CHALLENGE TEST SERVE AS THE PRIMARY METHOD FOR MANAGING HIGH-RISK PREGNANCIES Hayden BL, Simpson JL, Ewing DE, Otterson WN *Obstet Gynecol* 46: 251-4, Sep 75 (Eng)

Singal DP

REPEATED ENDOTHELIAL INJURY AND INDUCTION OF ATHEROSCLEROSIS IN NORMOLIPEMIC RABBITS BY HUMAN SERUM. Friedman RJ, Moore S, Singal DP *Lab Invest* 32: 404-15, Mar 75 (Eng)

Singer I

ENDOCRINOLOGY AND METABOLISM IN UREMIA AND DIALYSIS: A CLINICAL REVIEW. Feldman HA, Singer I *Medicine (Baltimore)* 54: 345-76, Sep 75 (Eng)

Singh H

DECREASE IN MYELIN CONTENT OF RABBIT SCIATIC NERVE WITH AGING AND DIABETES. Spritz N, Singh H, Marinar B *Diabetes* 24: 680-3, Jul 75 (Eng)

Siperstein MD

LACTIC ACIDOSIS ASSOCIATED WITH PHENFORMIN THERAPY. EVIDENCE THAT INHIBITED LACTATE OXIDATION IS THE CAUSATIVE FACTOR. Searle GL, Siperstein MD *Diabetes* 24: 741-5, Aug 75 (Eng)

Siqueira-Filho AG

GLUCAGON-BLOOD CATECHOLAMINE TEST: USE IN ISOLATED AND FAMILIAL PHEOCHROMOCYTOMA. Siqueira-Filho AG, Sheps SG, Maher FT, Jiang NS, Elveback LR *Arch Intern Med* 135: 1227-31, Sep 75 (Eng)
ADOLESCENCE; ADULT; AGED; BLOOD PRESSURE (drug effects); CASE REPORT; CATECHOLAMINES (blood); CHILD; FEMALE; GLUCAGON (diagnostic use); HUMAN; KIDNEY (radiography); MALE; METANEPHRINE (urine); MIDDLE AGE; PARATHYROID DISEASES (familial & genetic); PHEOCHROMOCYTOMA (diagnosis, familial & genetic); THYROID NEOPLASMS (familial & genetic); TOMOGRAPHY, RADIOGRAPHIC; VANILMANDELIC ACID (urine).

Sirtori CR

CLINICAL EVALUATION OF TIBRIC ACID (CP 18,524) A NEW HYPOLIPIDEMIC AGENT. Sirtori CR, Zoppi S, Quarisa B, Agradi E *Pharmacol Res Commun* 6: 445-56, Oct 74 (Eng)

ADULT; AGED; ANTILIPIDEMIC AGENTS (therapeutic use, adverse effects); BENZOATES (therapeutic use, adverse effects); BODY WEIGHT (drug effects); CHOLESTEROL (blood); CLINICAL RESEARCH; CORONARY DISEASE (complications); FEMALE; HUMAN; HYPERLIPEMIA (drug therapy, complications); LIPIDS (blood); MALE; MIDDLE AGE; PIPERIDINES (therapeutic use, adverse effects); SULFONIC ACIDS (therapeutic use, adverse effects); TRIGLYCERIDES (blood); URIC ACID (urine).

Sjostrand J

SLOW AXONAL TRANSPORT OR PROTEINS; BLOCKADE BY INTERRUPTION OF CON-

TACT BETWEEN CELL BODY AND AXON. Frizell M, McLean WG, Sjostrand J *Brain Res* 86: 67-73, 14 Mar 75 (Eng)

Skvarko SI

[CHARACTERISTICS OF THE PLACENTAL MITOCHONDRIA IN WOMEN AT VARIOUS PERIODS OF PHYSIOLOGICAL PREGNANCY] Bulienko SD, Kisilevich RSh, Skvarko SI, Matyniak LG *Ukr Biochim Zh* 46: 492-5, Jul-Aug 74 (Ukr)

Slabochova Z

[HYPERLIPEMIA AND HYPERLIPOPROTEINEMIA AMONG THE RELATIVES OF DIABETIC PATIENTS] Valek J, Grafnetter D, Slabochova Z, Platilova H *Cas Lek Cesk* 114: 837-40, 4 Jul 75 (Cze)

Slater EC

THE MECHANISM OF INHIBITION BY OLIGOMYCIN OF OXIDATIVE PHOSPHORYLATION IN MITOCHONDRIA. Bertina RM, Steenstra JA, Slater EC *Biochim Biophys Acta* 368: 279-97, 19 Dec 74 (Eng)

Slidziewski K

[BLOOD GLUCOSE CURVE IN PATIENTS WITH INTRACTABLE CORONARY FAILURE] Slidziewski K, Kraszewski Z, Lada W *Pol Tyg Lek* 30: 1479-81, 8 Sep 75 (Pol)

ADULT; AGED; ARTERIOSCLEROSIS (metabolism); CARBOHYDRATES (metabolism); CORONARY DISEASE (metabolism); ENGLISH ABSTRACT; GLUCOSE TOLERANCE TEST; HUMAN; HYPERGLYCEMIA (metabolism); MIDDLE AGE.

Slotkin TA

SYMPATHO-ADRENAL DEVELOPMENT IN PERINATALLY ADDICTED RATS. Slotkin TA, Anderson TR *Addict Dis* 2: 293-306, 1975 (Eng)
ADRENAL MEDULLA (growth & development, metabolism, enzymology, innervation); ANIMAL; ANIMALS, NEWBORN (growth & development); CATECHOLAMINES (metabolism); DOPAMINE BETA HYDROXYLASE (metabolism); DRUG DEPENDENCE (metabolism); ENZYME INDUCTION; EPINEPHRINE (metabolism); FEMALE; INSULIN (pharmacodynamics); MATERNAL-FETAL EXCHANGE; METARAMINOL (metabolism); MORPHINE (pharmacodynamics); PREGNANCY; RATS; SPLANCHNIC NERVES (growth & development); STIMULATION, CHEMICAL; TYROSINE HYDROXYLASE (metabolism).

Slover HT

COMPOSITION OF DIETS CONTAINING 25 AND 35 PER CENT CALORIES FROM FAT. ANALYZED VS. CALCULATED VALUES. Marshall MW, Iacono JM, Young CW Jr, Washington VA, Slover HT, Leapley PM *J Am Diet Assoc* 66: 470-81, May 75 (Eng)

Slowik M

SOME BIOLOGICAL FUNCTIONS OF ANIMAL CELL SURFACE SIALIC ACID RESIDUES. Porwit-Bohr Z, Slowik M *Folia Histochem Cytochem (Krakow)* 12: 335-41, 1974 (Eng) [73]

Sluiter WJ

EFFECT OF WEIGHT REDUCTION ON INSULIN RESPONSIVENESS AND TRIGLYCERIDE LEVELS IN PATIENTS WITH ENDOGENOUS HYPERTRIGLYCERIDAEMIA. De Vries O, Sluiter WJ, Reitsma WD, Doorenbos H *Neth J Med* 17: 212-19, 1974 (Eng)

INSULIN ANTIBODY FORMATION DURING LONG-TERM TREATMENT WITH MONOCOMPONENT AND MONOSPECIES INSULIN. Piers DA, Sluiter WJ, Reitsma WD, Doorenbos H *Neth J Med* 17: 234-8, 1974 (Eng)

Smirnov VK

Smirnov VK

[SOME CHARACTERISTICS OF THE PERIPHERAL MICROCIRCULATION AND CAPILLARY PERMEABILITY IN SCHIZOPHRENIA] Smirnov VK *Zh Nevropatol Psikhiatr* 74: 406-12, 1974 (Rus)
ADULT; AMITRIPTYLINE (therapeutic use); CAPILLARY PERMEABILITY; CHRONIC DISEASE; COMPARATIVE STUDY; DRUG THERAPY; COMBINATION; ENGLISH ABSTRACT; FEMALE; HUMAN; INSULIN (therapeutic use); MALE; MENTAL DISORDERS (physiopathology); MICROCIRCULATION (physiopathology); PHOSPHORUS RADIOISOTOPES; PHOSPHORUS (metabolism); PSYCHOTROPIC DRUGS (therapeutic use); REMISSION; SCHIZOPHRENIA (physiopathology, drug therapy, metabolism); SCHIZOPHRENIA, CATATONIC (physiopathology); SCHIZOPHRENIA, PARANOID (physiopathology).

Smirnova VK

[ISOLATION OF LIPOPROTEIN LIPASE FROM POSTHEPARIN RAT PLASMA AND DEMONSTRATION OF ITS BIOLOGICAL ACTIVITY] Bazarian GG, Levchuk TP, Malakhova EA, Smirnova VK, Sytina NP, Iakovlev VA *Vopr Med Khim* 20: 14-9, Jan-Feb 74 (Rus)

Smit EM

MECHANISM OF HYPOGLYCAEMIA IN A PATIENT WITH MESENCHYMAL TUMOUR. Meinders AE, Smit EM, Cejka V, Braat MC *Neth J Med* 17: 227-33, 1974 (Eng)

Smith IC

THE FLUIDITY AND ORGANIZATION OF MITOCHONDRIAL MEMBRANE LIPIDS OF THE BROWN ADIPOSE TISSUE OF COLD-ADAPTED RATS AND HAMSTERS AS DETERMINED BY NITROXIDE SPIN PROBES. Cannon B, Polnaszek CF, Butler KW, Eriksson LE, Smith IC *Arch Biochem Biophys* 167: 505-18, Apr 75 (Eng)

Smith LH

ECTOPIC HORMONE PRODUCTION. Smith LH *Surg Gynecol Obstet* 141: 443-53, Sep 75 (Eng) [203]

CALCITONIN (biosynthesis); CHILD; CORTICOTROPIN (biosynthesis); ERYTHROPOIETIN (biosynthesis); GASTRIN (biosynthesis); GLUCAGON (biosynthesis); GONADOTROPINS (biosynthesis); HORMONES, ECTOPIC (biosynthesis); HUMAN; INSULIN (biosynthesis); MALE; MSH (biosynthesis); NEOPLASMS (secretion); PARATHYROID HORMONE (biosynthesis); PROTAGLANDINS (biosynthesis); REVIEW; SECRETIN (biosynthesis); SEROTONIN (biosynthesis); SOMATOTROPIN (biosynthesis); THYROTROPIN (biosynthesis); VASOPRESSIN (biosynthesis).

Smith DG

GUINEA PIG PROINSULIN. PRIMARY STRUCTURE OF THE C-PEPTIDE ISOLATED FROM PANCREAS. Massey DE, Smyth DG *J Biol Chem* 250: 6288-90, 25 Aug 75 (Eng)

PROINSULIN: A PROPOSED THREE-DIMENSIONAL STRUCTURE. Snell CR, Smyth DG *J Biol Chem* 250: 6291-5, 25 Aug 75 (Eng)

Snarski A

[GENERALIZED LIPODYSTROPHY (LIPOATROPHIC DIABETES) WITH DIABETIC ANGIOPATHY] Tenczynski L, Snarski A *Endokrynol Pol* 26: 239-46, May-Jun 75 (Pol)

Sneid DS

RADIORECEPTOR-INACTIVE GROWTH HORMONE ASSOCIATED WITH STIMULATED SECRETION IN NORMAL SUBJECTS. Sneid

Diabetes Literature—Author Index

DS. Jacobs LS, Weldon VV, Trivedi BL, Daughaday H *J Clin Endocrinol Metab* 41: 471-4, Sep 75 (Eng)

ACROMEGALY (metabolism); ARGININE (pharmacodynamics); CHILD; HUMAN; INSULIN (pharmacodynamics); LEVODOPA (pharmacodynamics); RADIOIMMUNOASSAY; RADIOLOGICAL ASSAY; RECEPTORS, HORMONE (drug effects); SECRETORY RATE (drug effects); SOMATOTROPIN (analysis, secretion); STIMULATION, CHEMICAL; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.

Snell CR

PROINSULIN: A PROPOSED THREE-DIMENSIONAL STRUCTURE. Snell CR, Smyth DG *J Biol Chem* 250: 6291-5, 25 Aug 75 (Eng)
AMINO ACID SEQUENCE; ANIMAL; CATTLE; CHINCHILLAS; DOGS; GUINEA PIGS; HUMAN; MOLECULAR MODELS; MONKEYS; PROINSULIN; PROTEIN CONFORMATION; RATS; SPECIES SPECIFICITY; SWINE.

Sobel RE

PHYSIOLOGICAL VARIATIONS IN SERUM TRIGLYCERIDES. Savory J, Sobel RE *Ann Clin Lab Sci* 2: 126-31, Mar-Apr 72 (Eng)

Soberman R

PANCREATIC TRANSPLANTATION IN NEW YORK. Gliedman ML, Tellis V, Soberman R, Rifkin H, Freed SZ, Veith FJ *Kidney Int [Suppl]* 164-8, Oct 74 (Eng)

Sobieska-Clarowa H

[FAVORABLE RESULTS OF ANABOLIC THERAPY IN CASES OF RETINAL DEGENERATION] Sobieska-Clarowa H *Klin Oczna* 45: 811-4, Jul 75 (Pol)

ADULT; AGED; ANABOLIC STEROIDS (therapeutic use); DIABETIC RETINOPATHY (drug therapy); ENGLISH ABSTRACT; FEMALE; HUMAN; MACULAR DEGENERATION (drug therapy); MALE; MIDDLE AGE; NANDROLONE (therapeutic use); RETINAL DEGENERATION (drug therapy); TISSUE EXTRACTS.

Sodhi HS

EFFECT OF CHOLESTYRAMINE ON TISSUE POOLS OF CHOLESTEROL: A PRELIMINARY REPORT. Kudchodkar BJ, Sodhi HS, Horlick L, Nazir DJ *Proc Soc Exp Biol Med* 148: 393-6, Feb 75 (Eng)

Soeldner JS

PLASMA LIPID LEVELS IN DIABETIC CHILDREN. EFFECT OF DIET RESTRICTED IN CHOLESTEROL AND SATURATED FATS. Kaufmann RL, Assal JPh, Soeldner JS, Wilmshurst EG, Lemaire JR, Gleason RE, White P *Diabetes* 24: 672-9, Jul 75 (Eng)

Sogor BV

STUDIES OF A SERUM ALBUMIN-LIPOSOME COMPLEX AS A MODEL LIPOPROTEIN MEMBRANE. Sogor BV, Zull JE *Biochim Biophys Acta* 375: 363-80, 14 Feb 75 (Eng)

ARABINOSE; CATTLE; CENTRIFUGATION, DENSITY GRADIENT; GLUCOSE; GLYCERIN; LIPOPROTEINS; LIPOSOMES; MALONATES; MEMBRANES, ARTIFICIAL; MICROSCOPY, ELECTRON; OSMOLAR CONCENTRATION; PERMEABILITY; PHOSPHOLIPIDS; PROTEIN BINDING; SCATTERING, RADIATION; SERUM ALBUMIN, BOVINE; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; X-RAY DIFFRACTION.

Soli AH

INSULIN RECEPTOR DEFICIENCY IN GENETIC AND ACQUIRED OBESITY. Soli AH, Kahn CR, Neville DM Jr, Roth J *J Clin Invest* 56: 769-80, Oct 75 (Eng)

ADIPOSE TISSUE (pathology); AGE FACTORS; ANIMAL; BODY WEIGHT; CELL MEMBRANE (metabolism); COMPARATIVE STUDY; DIET, REDUCING; DISEASE MODELS, ANIMAL; HETEROZYGOSE; HOMOZYGOSE; HYPERINSULINISM (metabolism); INSULIN RESISTANCE; INSULIN (metabolism); LIVER (metabolism, ultrastructure); MICE; MICE, INBRED C57BL; MICE, INBRED STRAINS; MICE, OBESE; MUTATION; OBESITY (chemically induced, metabolism, familial & genetic); RECEPTORS, HORMONE; T-LYMPHOCYTES (metabolism).

Somer JB

FOCAL DIFFERENCES IN LIPID METABOLISM OF THE YOUNG PIG AORTA. SYNTHESIS FROM [1-14C]ACETATE AND [U-14C]GLUCOSE IN VITRO. Somer JB, Bell FP, Schwartz CJ *Atherosclerosis* 20: 11-21, Jul-Aug 74 (Eng)

ACETATES (metabolism); ANIMAL EXPERIMENTS; AORTA (metabolism); ATHEROSCLEROSIS (pathology); CARBON RADIOISOTOPES; CHOLESTEROL (blood); CHROMATOGRAPHY, THIN LAYER; FATTY ACIDS, NONESTERIFIED (analysis); FEMALE; GLUCOSE (metabolism); IN VITRO; LIPIDS (metabolism, biosynthesis); MALE; PHOSPHATIDYL CHOLINE (metabolism); PHOSPHOLIPIDS (metabolism, blood, analysis); SPHINGOMYELINS (metabolism); STAINS AND STAINING; SWINE; TRIGLYCERIDES (analysis); TRITIUM.

Sommers PB

DIRECT DETERMINATION OF TOTAL SERUM CHOLESTEROL BY USE OF DOUBLE-WAVELENGTH SPECTROPHOTOMETRY. Sommers PB, Jatlow PI, Seligson D *Clin Chem* 21: 703-7, May 75 (Eng)

BILIRUBIN (blood); CHOLESTEROL (blood); COMPARATIVE STUDY; EVALUATION STUDIES; HEMOGLOBINS; HUMAN; HYPERLIPIDEMIA (blood); INDICATORS AND REAGENTS; SPECTROPHOTOMETRY (methods); TEMPERATURE; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

Sonenberg M

STUDIES ON THE COMMON ACTIVE SITE OF GROWTH HORMONE. REVISION OF THE AMINO ACID SEQUENCE OF AN ACTIVE FRAGMENT OF BOVINE GROWTH HORMONE. Yamasaki N, Shimanaka J, Sonenberg M *J Biol Chem* 250: 2510-4, 10 Apr 75 (Eng)

Sonka J

EFFECTS OF DIET AND EXERCISE ON CATECHOLAMINE EXCRETION. Sonka J, Kopecka J, Pavlova A, Zbirikova A, Stas J *Horm Metab Res* 6: 532, Nov 74 (Eng)
CATECHOLAMINES (urine); DIET, REDUCING; DOPAMINE (urine); EPINEPHRINE (urine); EXERTION; FEMALE; HUMAN; NOREPINEPHRINE (urine); OBESITY (urine, therapy); TIME FACTORS.

Soranzo MR

STIMULATION OF GLUCOSE OXIDATION IN HUMAN POLYMORPHONUCLEAR LEUCOCYTES BY C3-SEPHAROSE AND SOLUBLE C567. Tedesco F, Trani S, Soranzo MR, Patriarca P *FEBS Lett* 51: 232-6, 1 Mar 75 (Eng)

Sorokin M

THE TOURIST AS PATIENT. Sorokin M *Med J Aust* 2: 182-5, 2 Aug 75 (Eng)

ADOLESCENCE; ADULT; AGED; ALCOHOLISM (complications); CARDIOVASCULAR DISEASES (occurrence); CHILD; CHILD, PRESCHOOL; DIABETES MELLITUS (complications); ETHNIC GROUPS; FEMALE; FUJ; GENERAL PRACTICE; HOSPITALIZATION; HUMAN; INFANT;

- MALE; MIDDLE AGE; MORBIDITY; RESPIRATORY TRACT INFECTIONS (occurrence); SKIN DISEASES (occurrence); TRAVEL; URINARY TRACT INFECTIONS (occurrence).
- HOSPITAL MORBIDITY IN THE FIJI ISLANDS WITH SPECIAL REFERENCE TO THE SACCHARINE DISEASE.** Sorokin M *S Afr Med J* 49: 1481-5, 23 Aug 75 (Eng)
- ACUTE DISEASE; APPENDICITIS (occurrence); DIABETES MELLITUS (occurrence); DIETARY CARBOHYDRATES (adverse effects); DIETARY HABITS; DIVERTICULITIS, COLONIC (occurrence); DYSPEPSIA (occurrence); ETHNIC GROUPS; FEMALE; FIJI; GALLBLADDER DISEASES (occurrence); HEMORRHOIDS (occurrence); HOSPITALS; HUMAN; INDIA (ethnology); KIDNEY CALCULI (occurrence); MALE; MORBIDITY; MYOCARDIAL INFARCT (occurrence); PEPTIC ULCER (occurrence); PREGNANCY TOXEMIAS (occurrence); VARICOSE VEINS (occurrence).
- Soterakis J**
INCREASED RATE OF ALCOHOL REMOVAL FROM BLOOD WITH ORAL FRUCTOSE AND SUCROSE. Soterakis J, Iher FL *Am J Clin Nutr* 28: 254-7, Mar 75 (Eng)
- ADULT; ALCOHOL, ETHYL (blood); ALCOHOLISM (blood, diet therapy); BLOOD SUGAR (metabolism); COMPARATIVE STUDY; DIETARY CARBOHYDRATES (administration & dosage, therapeutic use); FRUCTOSE (pharmacodynamics, blood); GLUCOSE (pharmacodynamics); HUMAN; MALE; MIDDLE AGE; STRUCTURE-ACTIVITY RELATIONSHIP; SUCROSE (pharmacodynamics); TIME FACTORS.
- Sotysiak A**
[ETIOLOGY, PATHOGENESIS, DIAGNOSIS AND TREATMENT OF ACUTE PANCREATITIS] Sotysiak A *Wiad Lek* 28: 1461-5, 1 Sep 75 (Pol) [01]
- AMYLASE (metabolism); GLUCAGON (blood, therapeutic use); HUMAN; KALLIKREIN-TRYPSIN IN ACTIVATOR (therapeutic use); PANCREAS (enzymology); PANCREATIC JUICE (secretion); PANCREATITIS (etiology, diagnosis, drug therapy); REVIEW.
- Spanos PK**
SURGICAL ASPECTS OF TRANSPLANTATION IN DIABETIC PATIENTS. Simmons RL, Kjellstrand CM, Kyriakides GK, Rattazzi LC, Spanos PK, Casali R, Najarian JS *Kidney Int [Suppl]* 129-32, Oct 74 (Eng)
- Spasovska M**
EFFECT OF ACTH ON LIPOLYSIS IN ADIPOSE TISSUE OF NORMAL AND ADRENALECTOMIZED RATS IN VIVO. Spirovski MZ, Kovacev VP, Spasovska M, Chernick SS *Am J Physiol* 228: 382-5, Feb 75 (Eng)
- Spaulding SW**
BETA-ADRENERGIC STIMULATION OF CYCLIC AMP AND PROTEIN KINASE ACTIVITY IN THE THYROID. Spaulding SW, Burrow GN *Nature* 254: 347-9, 27 Mar 75 (Eng)
- ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ANIMAL EXPERIMENTS; CATTLE; DOSE-RESPONSE RELATIONSHIP, DRUG; IN VITRO; ISOPROTERENOL (pharmacodynamics); PHENTOLAMINE (pharmacodynamics); PROPRANOLOL (pharmacodynamics); PROTEIN KINASE (metabolism); STIMULATION, CHEMICAL; THYROID GLAND (metabolism, enzymology); THYROTROPIN (pharmacodynamics).
- Spector AA**
METABOLISM OF GLUCOSE AND FATTY ACID BY LEUKOCYTES FROM PATIENTS

- WITH ENDOGENOUS HYPERTRIGLYCERIDEMIA. Burns CP, Welshman IR, Spector AA *J Lab Clin Med* 85: 598-609, Apr 75 (Eng)
- LONG CHAIN FATTY ACID BINDING TO HUMAN PLASMA ALBUMIN.** Ashbrook JD, Spector AA, Santos EC, Fletcher JE *J Biol Chem* 250: 2333-8, 25 Mar 75 (Eng)
- Sperl M**
[RELATION BETWEEN GLUCOSE AND SODIUM ABSORPTION IN RENAL GLYCOSURIA (AUTHORS TRANSL)] Pav J, Sperl M *Cas Lek Cesk* 114: 939-41, 25 Jul 75 (Cze)
- Sperling MA**
THE EFFECT OF ORAL ALANINE ON BLOOD GLUCOSE AND GLUCAGON IN THE HUMAN NEWBORN INFANT. Fiser RH, Williams PR, Fisher DA, DeLameter PV, Sperling MA, Oh W *Pediatrics* 75: 78-81, Jul 75 (Eng)
- Spiro RG**
GLYCOPROTEIN BIOSYNTHESIS: STUDIES ON THYROID MANNOSYLTRANSFERASES. I. ACTION ON GLYCOPOLYMERIDES AND SIMPLE GLYCOSIDES. Adamany AM, Spiro RG *J Biol Chem* 250: 830-41, 25 Apr 75 (Eng)
- Spirovski MZ**
EFFECT OF ACTH ON LIPOLYSIS IN ADIPOSE TISSUE OF NORMAL AND ADRENALECTOMIZED RATS IN VIVO. Spirovski MZ, Kovacev VP, Spasovska M, Chernick SS *Am J Physiol* 228: 382-5, Feb 75 (Eng)
- ADIPOSE TISSUE (metabolism); ADRENALECTOMY; ANIMAL EXPERIMENTS; BLOOD SUGAR; CORTICOTROPIN (pharmacodynamics); FATTY ACIDS, NONESTERIFIED (metabolism, blood); FEMALE; GLYCERIN (metabolism, blood); KETONE BODIES (blood); LIPIDS (metabolism); PERFUSION; RATS; STIMULATION, CHEMICAL; TRIGLYCERIDES (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..
- Spranger J**
[THE OCCURRENCE OF DIABETES MELLITUS, DIABETES INSIPIDUS, OPTIC ATROPHY AND NEUROGENIC DEAFNESS IN ONE PATIENT (AUTHORS TRANSL)] Foerster K, Spranger J, Beyer J, Regli F *J Neurol* 210: 71-6, 4 Aug 75 (Ger)
- Sprecher H**
A SUGGESTED ROLE FOR HYDROGEN PEROXIDE IN THE BIOSYNTHESIS OF PROSTAGLANDINS. Panganamala RV, Sharma HM, Sprecher H, Geer JC, Cornwell DG *Prostaglandins* 8: 3-11, 10 Oct 74 (Eng)
- Spritz N**
DECREASE IN MYELIN CONTENT OF RABBIT SCIATIC NERVE WITH AGING AND DIABETES. Spritz N, Singh H, Marinar B *Diabetes* 24: 680-3, Jul 75 (Eng)
- AGE FACTORS; ALLOXAN DIABETES (metabolism); ANIMAL; CHOLESTEROL (metabolism); GLYCOLIPIDS (metabolism); LIPIDS (metabolism); MALE; MYELIN SHEATH (metabolism); PHOSPHATIDYL CHOLINE (metabolism); PHOSPHATIDYL ETHANOLAMINE (metabolism); PHOSPHOLIPIDS (metabolism); PLASMA LOGENS (metabolism); RABBITS; SCIATIC NERVE (metabolism); SPHINGOMYELINS (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..
- Sprott GD**
KINETICS OF NAPLUS-DEPENDENT AMINO ACID TRANSPORT USING CELLS AND MEMBRANE VESICLES OF A MARINE PSEU-

- DOMONAD. Sprott GD, Drozdowski JP, Martin EL, MacLeod RA *Can J Microbiol* 21: 43-50, Jan 75 (Eng)
- ALANINE (metabolism); AMINOISOBUTYRIC ACID (metabolism); BIOLOGICAL TRANSPORT, ACTIVE; CARBON RADIOISOTOPES; CELL FRACTIONATION; CELL MEMBRANE (metabolism); COMPUTERS; INULIN (metabolism); KINETICS; OXYGEN CONSUMPTION; PSEUDOMONAS (metabolism); RADIOISOTOPES; SEAWATER; SODIUM ISOTOPES (metabolism); SODIUM (pharmacodynamics); STEREOISOMERS; SUCROSE (metabolism); TRITIUM; WATER MICROBIOLOGY.
- Spudich JA**
BINDING OF CYTOCHALASIN B TO A RED CELL MEMBRANE PROTEIN. Lin S, Spudich JA *Biochem Biophys Res Commun* 61: 1471-6, 23 Dec 74 (Eng)
- Srivastava KC**
SYNTHESIS OF PROSTAGLANDINS IN PLATELETS OF HYPERCHOLESTEROLEMIC RABBITS. Srivastava KC *Lipids* 10: 57-9, Jan 75 (Eng)
- ANIMAL EXPERIMENTS; BLOOD CELL COUNT; BLOOD PLATELETS (metabolism); CHOLESTEROL (blood); CHOLESTEROL, DIETARY; FEMALE; HYPERCHOLESTEREMIA (blood, chemically induced); PROSTAGLANDINS (biosynthesis); RABBITS.
- Srivastava L**
PLASMA RENIN ACTIVITY IN JUVENILE DIABETES MELLITUS AND EFFECT OF DIAZOXIDE. Gossain VV, Werk EE, Sholiton LJ, Srivastava L, Knowles HC Jr *Diabetes* 24: 833-5, Sep 75 (Eng)
- Stadil F**
THE ENTERAL INSULIN-STIMULATION AFTER WHIPPLES OPERATION. Rehfeld JF, Stadil F, Baden H, Fischerman K *Diabetologia* 11: 207-10, Jun 75 (Eng)
- Stamatoff JB**
X-RAY DIFFRACTION STUDIES OF HUMAN ERYTHROCYTE MEMBRANE STRUCTURE. Stamatoff JB, Krimm S, Harvie NR *Proc Natl Acad Sci USA* 72: 531-4, Feb 75 (Eng)
- CELL MEMBRANE (ultrastructure); ERYTHROCYTES (ultrastructure); HUMAN; NEURAMINIDASE; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; X-RAY DIFFRACTION.
- Staquet JP**
[HAEMOCHOLECYST INDUCED BY GAN- GRENOS CHOLECYSTITIS IN A DIABETIC (AUTHORS TRANSL)] Roubey J, Mahieu F, Staquet JP, Bataille JP, Lederer J *Acta Gastroenterol Belg* 38: 237-41, May-Jun 75 (Fre)
- Stark G**
KINETICS OF MACROTETROLIDE-INDUCED ION TRANSPORT ACROSS LIPID BILAYER MEMBRANES. Benz R, Stark G *Biochim Biophys Acta* 382: 27-40, 28 Feb 75 (Eng)
- Starr JI**
SERUM PROINSULIN IN CHILDREN AND ADOLESCENTS WITH CHEMICAL DIABETES. Rosenbloom AL, Starr JI, Juhn D, Rubenstein AH *Diabetes* 24: 753-7, Aug 75 (Eng)
- Stas J**
EFFECTS OF DIET AND EXERCISE ON CATECHOLAMINE EXCRETION. Sonka J, Kopecka J, Pavlova A, Zbirikova A, Stas J *Horm Metab Res* 6: 532, Nov 74 (Eng)

Steenstra JA

Steenstra JA

THE MECHANISM OF INHIBITION BY OLIGOMYCIN OF OXIDATIVE PHOSPHORYLATION IN MITOCHONDRIA. Bertina RM, Steenstra JA, Slater EC *Biochim Biophys Acta* 368: 279-97, 19 Dec 74 (Eng)

Steer ML

THE CONTROL OF ADENYLATE CYCLASE BY CALCIUM IN TURKEY ERYTHROCYTE GHOSTS. Steer ML, Levitzki A *J Biol Chem* 250: 2080-4, 25 Mar 75 (Eng)

ACETIC ACIDS (pharmacodynamics); ADENOSINE TRIPHOSPHATE (pharmacodynamics); ADENYL CYCLASE (blood, antagonists & inhibitors); BINDING SITES; CALCIUM (pharmacodynamics); EPINEPHRINE (pharmacodynamics); ERYTHROCYTES (enzymology); GLYCOLS (pharmacodynamics); KINETICS; MAGNESIUM (pharmacodynamics); MANGANESE (pharmacodynamics); PROTEIN BINDING; TURKEYS.

Stefanovich V

COMPARATIVE STUDY OF LIPOLYTIC ACTIVITIES OF RABBIT AND RAT AORTAS AND ARTERIES OF HUMAN UMBILICAL CORD. Stefanovich V, Balogh K *Comp Biochem Physiol [B]* 50: 159-63, 15 Jan 75 (Eng)

ANIMAL EXPERIMENTS; AORTA (metabolism, drug effects); ARTERIES (metabolism, drug effects); COMPARATIVE STUDY; HEPARIN (pharmacodynamics); HUMAN; LIPID MOBILIZATION (drug effects); ORGAN SPECIFICITY; RABBITS; RATS; SPECIES SPECIFICITY; TRIOLEIN (metabolism); UMBILICAL CORD (blood supply).

Stehbens WE

THE ROLE OF LIPID IN THE PATHOGENESIS OF ATHEROSCLEROSIS. Stehbens WE *Lancet* 1: 724-7, 29 Mar 75 (Eng)

ANIMAL EXPERIMENTS; ARTERIES (pathology, metabolism); ARTERIOSCLEROSIS (pathology, etiology); ATHEROSCLEROSIS (etiology, metabolism); BLOOD VESSELS (metabolism, injuries); CHOLESTEROL (metabolism, blood); DIET; ATHEROGENIC; DIETARY FATS (metabolism); DISEASE MODELS, ANIMAL; HEMODYNAMICS; HUMAN; HYPERLIPIDEMIA (metabolism); LIPIDS (metabolism); LIPOPROTEINS (metabolism, blood); MONKEY DISEASES; SHEEP; STRESS (complications, etiology); VEINS (metabolism); VIBRATION (adverse effects).

Steitz TA

THE STRUCTURE OF A YEAST HEXOKINASE MONOMER AND ITS COMPLEXES WITH SUBSTRATES AT 2.7-Å RESOLUTION. Fletcher RJ, Bates DJ, Steitz TA *Proc Natl Acad Sci USA* 72: 38-42, Jan 75 (Eng)

Stempien R

[BLOOD INSULIN IN VIRAL HEPATITIS] Pieterowa R, Torzecka W, Fabianowski J, Stempien R, Polakowski P *Pol Tyg Lek* 30: 1385-8, 25 AUG 75 (Pol)

Stewart DA

DIABETES AND THE SURVIVAL AND RECOVERY OF THE ANOXIC MYOCARDIUM. Hearse DJ, Stewart DA, Chain EB *J Mol Cell Cardiol* 7: 397-415, Jun 75 (Eng)

Stiegler G

[METABOLISM OF THE SPLENIC REGION AS INFLUENCED BY FRUCTOSE] Dietze G, Wicklmayr M, Hepp KD, Grunst J, Stiegler G, Mohnert H *Infusionstherapie* 1: 525-5, Oct 74 (Ger)

[THE METABOLISM OF THE SPLENIC REGION UNDER THE INFLUENCE OF FRUC-

Diabetes Literature—Author Index

TOSE] Dietze G, Wicklmayr M, Hepp KD, Grunst J, Stiegler G, Mohnert H *Infusionstherapie* 1: 552-5, Oct 74 (Ger)

Stock MJ

PROCEEDINGS: THE EFFECTS OF CAFFEINE AND CARNITINE ON THE OXYGEN CONSUMPTION OF FED AND FASTED SUBJECTS. Miller DS, Stock MJ, Stuart JA *Proc Nutr Soc* 33: 28a-29a, Sep 74 (Eng)

Stock W

STRUCTURE AND ACTIVITY OF INSULIN, XIII. SPECIFICITY OF THE ARGININE-GUANIDINO GROUP IN BIOLOGICALLY ACTIVE TETRAPEPTIDES OF THE INSULIN SEQUENCE B 22-25 (ARG-GLY-PHE-PHE). Weitzel G, Eisele K, Stock W *Hoppe Seylers Z Physiol Chem* 356: 583-90, May 75 (Eng)

Storck LG

LONG TERM STUDIES OF PANCREAS TRANSPLANTATION IN EXPERIMENTAL DIABETES MELLITUS. Orloff MJ, Lee S, Charles AC 3d, Grambort DE, Storck LG, Knox D *Ann Surg* 182: 198-206, Sep 75 (Eng)

Storer AC

THE KINETICS OF COUPLED ENZYME REACTIONS. APPLICATIONS TO THE ASSAY OF GLUCOKINASE, WITH GLUCOSE 6-PHOSPHATE DEHYDROGENASE AS COUPLING ENZYME. Storer AC, Cornish-Bowden A *Biochem J* 141: 205-9, Jul 74 (Eng)

ANIMAL EXPERIMENTS; CHROMATOGRAPHY, AFFINITY; ENZYMES; GLUCOKINASE (analysis); GLUCOSEPHOSPHATE DEHYDROGENASE; KINETICS; MODELS, CHEMICAL; NAD; RATS; SPECTROPHOTOMETRY.

Storkova H

[METABOLIC RESPONSE TO NEW LIPID-LOWERING DIET (AUTHORS TRANSL.)] Valek J, Kuhn E, Pecchar J, Storkova H *Čas Lek Cesk* 113: 647-50, 31 May 74 (Cze)

Storring PL

THE HETEROGENEITY AND DEGRADATION OF GLUCAGON STUDIED BY POLYACRYLAMIDE GEL ELECTROPHORESIS. Calam DH, Storring PL *J Biol Stand* 3: 263-5, 1975 (Eng)

Strashimirov D

[AN ACUTE DIABETIC SYNDROME INDUCED IN RATS BY ANTI-INSULIN SERUM AS AN EXPERIMENTAL MODEL FOR THE STUDY OF SEVERAL ANTIDIABETIC AGENTS] Andreev D, Strashimirov D, Ditsov S, Dashev G *Eksp Med Morfol* 13: 95-101, 1974 (Bul)

Strata A

CLINICAL EXPERIENCES ON THERAPEUTIC MEASURES OF OBESITY. Strata A, Zuliani U, Cucurachi L, Dellanna A *G Clin Med* 55: 718-31, Oct 74 (Eng)

APPETITE DEPRESSANTS (therapeutic use); BIGUANIDES (therapeutic use); DIET, REDUCING; FASTING; HUMAN; OBESITY IN DIABETES (therapy); OBESITY (therapy); PLACEBOS.

Stremmel W

[SIGNIFICANCE OF LIPID METABOLISM IN SURGICAL DISEASES] Stremmel W *Infusionstherapie* 1: 238-43, Feb 74 (Ger)

ABDOMEN (surgery); DIABETES MELLITUS (metabolism); ENERGY METABOLISM; ENGLISH ABSTRACT; FASTING (adverse effects); FATTY ACIDS, NONESTERIFIED (blood); GLUCOSE (therapeutic use); GLYCERIN (blood); GROWTH SUBSTANCES (blood); HEART SURGERY; HEPARIN (therapeutic use); HUMAN; HYPERLIPIDEMIA

(drug therapy); INSULIN (therapeutic use); LIPIDS (metabolism); STRESS (metabolism); SURGERY, OPERATIVE; TRIGLYCERIDES (metabolism, blood).

[THE SIGNIFICANCE OF LIPID METABOLISM IN SURGICAL DISORDERS] Stremmel W *Infusionstherapie* 1: 238-43, Feb 74 (Ger)

ACUTE DISEASE; EMBOLISM, FAT (etiology); ENERGY METABOLISM; ENGLISH ABSTRACT; FASTING (adverse effects); FATTY ACIDS, NONESTERIFIED (metabolism, blood); GLYCERIN (metabolism); HEPARIN (therapeutic use); HORMONES (physiology); HUMAN; HYPERLIPIDEMIA (complications, etiology); INSULIN (physiology); LIPIDS (metabolism); PANCREATITIS (metabolism); PARENTERAL FEEDING; POSTOPERATIVE COMPLICATIONS (metabolism); PREOPERATIVE CARE; SHOCK, SURGICAL (metabolism); TRIGLYCERIDES (metabolism).

[THE PATHOGENESIS OF POSTOPERATIVE DISTURBANCES OF CARBOHYDRATE METABOLISM] Stremmel W *Infusionstherapie* 1: 294-304, Apr 74 (Ger)

ABDOMEN (surgery); ADULT; AGED; BLOOD SUGAR (analysis); BONE AND BONES (surgery); ENGLISH ABSTRACT; FATTY ACIDS, NONESTERIFIED (blood); FEMALE; GLUCOSE (metabolism); HUMAN; HYPERGLYCEMIA (etiology); INSULIN (secretion); MALE; MIDDLE AGE; POSTOPERATIVE COMPLICATIONS (etiology); SOMATOTROPIN (blood); VASCULAR DISEASES (surgery).

[THE INFLUENCE OF ALPHA RECEPTOR BLOCKADERS ON INSULIN SECRETION STIMULATED BY GLUCOSE DURING ANESTHESIA AND SURGERY] Stremmel W *Infusionstherapie* 1: 307-13, Apr 74 (Ger)

ADRENERGIC ALPHA RECEPTOR BLOCKADERS (pharmacodynamics); ADULT; ANESTHESIA; ANIMAL; BLOOD SUGAR (analysis); ENGLISH ABSTRACT; FEMALE; GASTROENTEROSTOMY; GLUCOSE (pharmacodynamics); HUMAN; INSULIN (secretion, blood); LAPAROTOMY; MALE; MIDDLE AGE; PENTOBARBITAL; PHENTOLAMINE (pharmacodynamics); RABBITS; STIMULATION, CHEMICAL; SURGERY, OPERATIVE.

Strom T

NEUROPATHY IN TRANSPLANTED DIABETIC PATIENTS. Wilson RE, Goldman MH, Yen MC, Kassissieh SD, Strom T, Kahn CB *Kidney Int [Suppl]* 90-4, Oct 74 (Eng)

Stuart JA

PROCEEDINGS: THE EFFECTS OF CAFFEINE AND CARNITINE ON THE OXYGEN CONSUMPTION OF FED AND FASTED SUBJECTS. Miller DS, Stock MJ, Stuart JA *Proc Nutr Soc* 33: 28a-29a, Sep 74 (Eng)

Stuart WD

EFFECTS OF RIBONUCLEASE A ON AMINO ACID TRANSPORT IN NEUROSPORA CRASSA. Stuart WD, Woodward DO *J Bacteriol* 122: 41-6, Apr 75 (Eng)

AMINO ACIDS (metabolism); BIOLOGICAL TRANSPORT, ACTIVE (drug effects); MUTATION; NEUROSPORA CRASSA (metabolism, growth & development, enzymology); NEUROSPORA (metabolism); PERMEASES (metabolism); PHENYLALANINE (metabolism); PRONASE (pharmacodynamics); RIBONUCLEASE (pharmacodynamics); SPORES, FUNGAL (metabolism, growth & development); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; URIDINE (metabolism).

Stukalova TI

[ACTIVITY OF THE KALLIKREIN-KININ SYSTEM IN EXPERIMENTAL MYOCARDIAL INFARCT IN DOGS AND THE EFFECT OF CATECHOLAMINES] Stukalova TI, Lazareva SA, Ternovaia LA *Vopr Med Khim* 21: 88-91, Jan-Feb 75 (Rus)

ACUTE DISEASE; ANIMAL EXPERIMENTS; ARGININE (blood); ASPARTATE AMINOTRANSFERASE (blood); BENZOATES (blood); BLOOD SUGAR (analysis); BRADYKININ (blood); CARBOXYPEPTIDASES (blood); CATECHOLAMINES (pharmacodynamics, analysis); CORONARY VESSELS; DOGS; ELECTROCARDIOGRAPHY; ENGLISH ABSTRACT; EPINEPHRINE (pharmacodynamics); ESTERASES (blood); KALLIKREIN (blood); KININS (blood); LIGATION; MYOCARDIAL INFARCT (blood); SPECTROMETRY, FLUORESCENCE; SPECTROPHOTOMETRY; TIME FACTORS.

Subbiah MT

CHOLESTEROL BALANCE IN ATHEROSCLEROSIS-SUSCEPTIBLE ATHEROSCLEROSIS-RESISTANT PIGEONS. Siekert RG, Dicke BA, Subbiah MT, Kottke BA *Res Commun Chem Pathol Pharmacol* 10: 181-4, Jan 75 (Eng)

REGRESSION OF ESTABLISHED NATURAL ATHEROSCLEROTIC LESIONS BY INTESTINAL BYPASS SURGERY IN PIGEONS: STRUCTURE AND CHEMISTRY. Kottke BA, Unni KK, Carlo IA, Subbiah MT *Trans Assoc Am Physicians* 87: 263-70, 1974 (Eng)

Suda T

[PROCEEDINGS: RADIOIMMUNOASSAY OF GROWTH HORMONE AND PROLACTIN IN THE CULTURE FLUID DERIVED FROM PITUITARY TUMOR] Idemura R, Ichikawa K, Maeda T, Odagiri E, Suda T *Folia Endocrinol Jpn* 50: 289, 20 Feb 74 (Jpn)

Sugano T

MITOCHONDRIAL FUNCTION UNDER HYPOXIC CONDITIONS: THE STEADY STATES OF CYTOCHROME ALPHA₂ AND ALPHA₃ AND THEIR RELATION TO MITOCHONDRIAL ENERGY STATES. Oshino N, Sugano T, Oshino R, Chance B *Biochim Biophys Acta* 368: 298-310, 19 Dec 74 (Eng)

Sugimoto T

[PROCEEDINGS: FLUCTUATION OF GROWTH HORMONE LEVELS IN THE BLOOD CAUSED BY EXERCISES WITH SPECIAL REFERENCE TO SEX DIFFERENCES] Ino T, Tokoro A, Iki Y, Sugimoto T, Umehara C *Folia Endocrinol Jpn* 50: 281, 20 Feb 74 (Jpn)

[PROCEEDINGS: EFFECT OF GLUCOCORTICOID AND ESTROGEN ON GLUCOSE UPTAKE BY THE ADIPOSE TISSUE] Umehara C, Nishikawa Y, Iki Y, Sugimoto T *Folia Endocrinol Jpn* 50: 650, 20 Feb 74 (Jpn)

Sukhatme PV

PROCEEDINGS: ON THE NEW INTERPRETATION OF RECOMMENDED INTAKE FOR PROTEIN. Sukhatme PV *Proc Nutr Soc* 33: 36a-37a, Sep 74 (Eng)

DIETARY PROTEINS; ENERGY METABOLISM; FEMALE; HUMAN; MALE; MATHEMATICS; NUTRITIONAL REQUIREMENTS; PROTEIN DEFICIENCY.

Sumi T

POTENTIATION OF THE ADRENERGIC BETA-RECEPTOR-MEDIATED INSULIN SECRETION IN PERTUSSIS-SENSITIZED RATS. Sumi T, Ui M *Endocrinology* 97: 352-8, Aug 75 (Eng)

ANIMAL; BLOOD SUGAR (metabolism); DIAZOXIDE (blood); EPINEPHRINE

(pharmacodynamics); GLUCAGON (pharmacodynamics); GLUCOSE (pharmacodynamics); HYDROCORTISONE (pharmacodynamics); INSULIN ANTIBODIES; INSULIN (blood); ISOPROTERENOL (pharmacodynamics); MALE; NOREPINEPHRINE (pharmacodynamics); PERTUSSIS VACCINE; PHENTOLAMINE (pharmacodynamics); PHENYLEPHRINE (pharmacodynamics); RATS (immunology); RECEPTORS, ADRENERGIC; TIME FACTORS; TOLBUTAMIDE (pharmacodynamics); WHOOPING COUGH (immunology, blood).

Sunaric D

[CYSTITIS EMPHYSEMATOSA (AUTHORS TRANSL.)] Sunaric D *Fortschr Geb Roentgenstr Nuklearmed* 122: 550-3, Jun 75 (Ger)

AGED; AIR; BLADDER DISEASES (diagnosis, etiology); CYSTITIS (diagnosis, etiology); CYSTOSCOPY; EMPHYSEMA (diagnosis, etiology); ENGLISH ABSTRACT; FEMALE; GLYCOSURIA; HEMATURIA; HUMAN; INFLAMMATION; MALE; MIDDLE AGE; URETERAL DISEASES (diagnosis); UROGRAPHY.

Suzuki A

[METHOD FOR THE ISOLATION OF HUMAN GLOMERULAR BASEMENT MEMBRANE (AUTHORS TRANSL.)] Nagano M, Kawamura M, Kawanishi M, Suzuki A *Res Exp Med (Berl)* 165: 191-7, 24 Sep 75 (Ger)

[PROCEEDINGS: TSH RESPONSE IN TRIH LOADING TEST IN PATIENTS WITH OBESITY. 2. A COMPARISON WITH THIN PATIENTS] Suzuki A, Kato T, Maruyama H, Suzuki H, Takabayashi Y *Folia Endocrinol Jpn* 50: 111, 20 Feb 74 (Jpn)

COMPARATIVE STUDY; FEMALE; HUMAN; MALE; OBESITY (physiopathology); THINNESS (physiopathology); THYROTROPIN RELEASING HORMONE (diagnostic use); THYROTROPIN (secretion).

Suzuki H

[PROCEEDINGS: TSH RESPONSE IN TRIH LOADING TEST IN PATIENTS WITH OBESITY. 2. A COMPARISON WITH THIN PATIENTS] Suzuki A, Kato T, Maruyama H, Suzuki H, Takabayashi Y *Folia Endocrinol Jpn* 50: 111, 20 Feb 74 (Jpn)

Suzuki K

[PROCEEDINGS: RADIORECEPTOR ASSAY OF GROWTH HORMONE AND PROLACTIN (2)] Matsuzaki F, Suzuki K *Folia Endocrinol Jpn* 50: 178, 20 Feb 74 (Jpn)

Svik O

STUDIES IN CONGENITAL GENERALIZED LIPODYSTROPHY. VI. SUPPRESSIBLE AND NON-SUPPRESSIBLE INSULIN-LIKE ACTIVITIES OF PLASMA. Svik O, Oseid S *Acta Endocrinol (Kbh)* 79: 720-8, Aug 75 (Eng)

ADIPOSE TISSUE (metabolism); ADOLESCENCE; ANIMAL; CHILD; EPIDIDYMI (metabolism); FEMALE; HUMAN; IMMUNE SERUMS; INSULIN (blood, metabolism); LIPODYSTROPHY (congenital, blood); MALE; RATS.

Swenson RS

INSULIN AND GLUCOSE METABOLISM IN RENAL INSUFFICIENCY. Reaven GM, Weisinger JR, Swenson RS *Kidney Int [Suppl]* 63-9, Oct 74 (Eng) [39]

Symonowicz H

[STUDIES UPON THE EFFECT OF AGE AND NUTRITIONAL FACTORS ON LIPID AND PROTEIN METABOLISM IN INFANTS (AUTHORS TRANSL.)] Gornicki B, Litwin E, Krukowa A, Kleczkowska H, Rodkiewicz B, Kowalczyk Z, Dzieniszewska L, Wachnik Z,

Symonowicz H *Probl Med Wieku Rozwoj* 1: 33-70, 1972 (Pol)

Sytna NP

[ISOLATION OF LIPOPROTEIN LIPASE FROM POSTHEPARIN RAT PLASMA AND DEMONSTRATION OF ITS BIOLOGICAL ACTIVITY] Bazazian GG, Levchuk TP, Malakhova EA, Smirnova VK, Sytna NP, Iakovlev VA *Vopr Med Khim* 20: 14-9, Jan-Feb 74 (Rus)

Szabo M

EFFECTS OF PORCINE STALK MEDIAN EMINENCE AND PROSTAGLANDIN E₂ ON RAT GROWTH HORMONE SECRETION IN VIVO AND THEIR INHIBITION BY SOMATOSTATIN. Szabo M, Frohman LA *Endocrinology* 96: 955-61, Apr 75 (Eng)

ANIMAL EXPERIMENTS; BIOLOGICAL ASSAY; CEREBRAL CORTEX (physiology); COMPARATIVE STUDY; ESTROGENS (pharmacodynamics); HYPOTHALAMOHYPOPHYSAL SYSTEM (physiology); MALE; MEDIAN EMINENCE (physiology); PEPTIDES (pharmacodynamics); PROSTAGLANDINS (pharmacodynamics); RATS; RESERPINE (pharmacodynamics); SOMATOTROPIN RELEASING HORMONE (antagonists & inhibitors); SOMATOTROPIN (secretion); TIME FACTORS.

Szabo O

A NEW CONCEPT FOR THE EVALUATION OF THE BLOOD GLUCOSE AND INSULIN RESPONSES OF HEALTH SUBJECTS FOLLOWING AN ORAL GLUCOSE LOAD. Szabo O, Oppermann W, Victor C, Camerini-Davalos RA *Acta Diabetol Lat* 11: 265-76, Jul-Aug 74 (Eng)

ADMINISTRATION, ORAL; ADOLESCENCE; ADULT; AGED; BLOOD SUGAR; CHILD; CHILD, PRESCHOOL; GLUCOSE TOLERANCE TEST; GLUCOSE (administration & dosage); HUMAN; INSULIN (blood); MIDDLE AGE; STATISTICS.

Szauer JS

THE PROBLEMS OF ABDOMINAL OPERATIONS IN ELDERLY PATIENTS. Szauer JS, Zukauskas C *Geriatrics* 30: 57-9, 63-4, Sep 75 (Eng)

ABDOMEN (surgery); AGE FACTORS; AGED; DIABETES MELLITUS (complications); FEMALE; HUMAN; INTERMITTENT POSITIVE PRESSURE BREATHING (IPPB); KIDNEY FAILURE, ACUTE (etiology); LUNG DISEASES (etiology, mortality); MALE; MYOCARDIAL INFARCT (etiology); PEPTIC ULCER (etiology); POSTOPERATIVE CARE; POSTOPERATIVE COMPLICATIONS (mortality); PREOPERATIVE CARE; RISK; STRESS, PSYCHOLOGICAL; SURGICAL WOUND INFECTION.

Szczawinska K

STUDIES ON THE ADRENERGIC GLYCOGENOLYTIC RECEPTOR IN MAN. Szczawinska K, Szczawinski R, Badyda C, Cenajek D *Acta Physiol Pol* 25: 43-7, Jan-Feb 74 (Eng)

ADULT; BLOOD SUGAR (analysis); EXCRETION; GLYCOGEN (metabolism); HUMAN; LACTATES (blood); LIVER (metabolism); MUSCLES (metabolism); NOREPINEPHRINE (pharmacodynamics); ORCIPRENALINE (pharmacodynamics); PHENTOLAMINE (pharmacodynamics); PROPRANOLOL (pharmacodynamics); RECEPTORS, ADRENERGIC; RECEPTORS, DRUG.

Szczawinski R

STUDIES ON THE ADRENERGIC GLYCOGENOLYTIC RECEPTOR IN MAN. Szczawinska K, Szczawinski R, Badyda C, Cenajek D *Acta Physiol Pol* 25: 43-7, Jan-Feb 74 (Eng)

Diabetes Literature—Author Index

Szczeklik J

Szczeklik J

[EFFECT OF GLUCAGON ON THE LEFT VENTRICULAR FUNCTION IN PATIENTS WITH CONGESTIVE HEART FAILURE (AUTHORS TRANSL.) Dubiel JS, Pyzik A, Szczeklik J, Dubiel JP, Cibor E *Przegl Lek* 32: 662-8, 1975 (Pol)]

Szego CM

STERIOD HORMONE-RESPONSIVE, ISOLATED ENDOMETRIAL CELLS. Pietras RJ, Szego CM *Endocrinology* 96: 946-54, Apr 75 (Eng)

Sznajderman M

[THE SYMPATHIC-ADRENAL SYSTEM IN ACUTE MYOCARDIAL INFARCT] Sznajderman M *Kardiol Pol* 18: 43-9, 1975 (Pol)
ACUTE DISEASE; ADRENAL GLANDS (physiology); DOPAMINE (urine); FATTY ACIDS, NONESTERIFIED (blood); HUMAN; MYOCARDIAL INFARCT (physiology); SYMPATHETIC NERVOUS SYSTEM (physiology); VANILMANDELIC ACID (urine).

Szots F

[HYPOTHALAMIC ANOMALIES WITH HYPERINSULINISM ASSOCIATED WITH A CYST OF THE 3D VENTRICLE] Lelievre M, Szots F, Nadeau A *Union Med Can* 104: 422-7, Mar 75 (Fre)

Szyska K

PERFUSION OF THE RABBIT PLACENTA IN SITU, AS AN EXPERIMENTAL MODEL OF THE PLACENTAL TRANSPORT STUDIES. Abucewicz A, Szyska K *Acta Physiol Pol* 25: 91-5, Jan-Feb 74 (Eng)

Tabib A

[THE FUNCTIONAL CYTOCHEMISTRY OF AMINE PRECURSOR UPTAKE AND DECARBOXYLATION (APUD) CELLS AND ITS USES IN PATHOLOGY] Berger G, Barthelemy C, Tabib A *Ann Anat Pathol (Paris)* 19: 371-98, Oct-Dec 74 (Fre)

Tada M

EFFECT OF ETHANOL AND ACETALDEHYDE ON THE (NA⁺ & K⁺)-ACTIVATED ADENOSINE TRIPHOSPHATASE ACTIVITY OF CARDIAC PLASMA MEMBRANES. Williams JW, Tada M, Katz AM, Rubin E *Biochem Pharmacol* 24: 27-32, 1 Jan 75 (Eng)

CONTROL OF CARDIAC SARCOLEMAL ADENYLATE CYCLASE AND SODIUM, POTASSIUM-ACTIVATED ADENOSINETRIPHOSPHATASE ACTIVITIES. Tada M, Kirchberger MA, Iorio JM, Katz AM *Circ Res* 36: 8-17, Jan 75 (Eng)
ADENOSINE TRIPHOSPHATASE (metabolism); ADENYL CYCLASE (metabolism); ANIMAL EXPERIMENTS; CALCIUM (pharmacodynamics); EPINEPHRINE (pharmacodynamics); GUINEA PIGS; MYOCARDIUM (enzymology); POTASSIUM; SARCOLEMA (enzymology, drug effects); SODIUM; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Taggi F

[EFFECT OF PLOTTING BY EYE OF THE CALIBRATION CURVE IN RADIOIMMUNOLOGIC ASSAYS] Taggi F, Lostia O *Ann Ist Super Sanita* 10: 47-62, 1974 (Ita)
COMPUTERS, DIGITAL; ENGLISH ABSTRACT; INSULIN (blood); RADIOIMMUNOASSAY (methods).

Taigo K

[PROCEEDINGS: EFFECT OF TRH ON PITUITARY HORMONE, ESPECIALLY GROWTH HORMONE SECRETION, IN DEPRESSION] Maeda K, Yamaguchi N, Kato Y, Chihara K,

Taigo K *Folia Endocrinol Jpn* 50: 267, 20 Feb 74 (Jpn)

Takabayashi Y

[PROCEEDINGS: TSH RESPONSE IN TRH LOADING TEST IN PATIENTS WITH OBESITY. 2. A COMPARISON WITH THIN PATIENTS] Suzuki A, Kato T, Maruyama H, Suzuki H, Takabayashi Y *Folia Endocrinol Jpn* 50: 111, 20 Feb 74 (Jpn)

Takacs FJ

HEMODIALYSIS-RELATED PROBLEMS IN PATIENTS WITH DIABETES MELLITUS. Kaissis SD, Yen MC, Lazarus M, Lowrie EG, Goldstein HH, Takacs FJ, Hampers CL, Merrill JD *Kidney Int [Suppl]* 100-7, Oct 74 (Eng)

Takahashi K

[PROCEEDINGS: GROWTH HORMONE (CGH) SECRETION IN THE DOG DURING SLEEPING. 3. THE EFFECT OF LIGHT, DARKNESS AND SLEEP INTERRUPTION] Takahashi K, Takahashi Y, Hoda H, Tsushima T, Irie M *Folia Endocrinol Jpn* 50: 273, 20 Feb 74 (Jpn)
ANIMAL EXPERIMENTS; DOGS; LIGHT; SLEEP; SOMATOTROPIN (secretion).

Takahashi Y

[PROCEEDINGS: GROWTH HORMONE (CGH) SECRETION IN THE DOG DURING SLEEPING. 3. THE EFFECT OF LIGHT, DARKNESS AND SLEEP INTERRUPTION] Takahashi K, Takahashi Y, Hoda H, Tsushima T, Irie M *Folia Endocrinol Jpn* 50: 273, 20 Feb 74 (Jpn)

Takahata H

[PROCEEDINGS: SIGNIFICANCE OF GLYCOGEN METABOLISM OF THE ANTERIOR PITUITARY LOBE IN THE MECHANISMS OF LH AND FSH RELEASE] Makino T, Takahata H, Shiina M, Iizuka R, Ono T *Folia Endocrinol Jpn* 50: 260, 20 Feb 74 (Jpn)

Takano K

[PROCEEDINGS: ISOLATED GROWTH HORMONE DEFICIENCY IN 2 SETS OF SIBLINGS] Ichikawa K, Idemura R, Takano K, Odagiri E, Maeda T *Folia Endocrinol Jpn* 50: 628, 20 Feb 74 (Jpn)

Takao T

[PROCEEDINGS: EVALUATION OF CARBOHYDRATE METABOLISM OF PATIENTS FOLLOWING PANCREATODUODENECTOMY] Miyata M, Takao T, Sadani M, Manabe H, Uozumi T *Folia Endocrinol Jpn* 50: 206, 20 Feb 74 (Jpn)

Takaori S

HYPERDIPSIA INDUCED BY BILATERAL DESTRUCTION OF THE LOCUS COERULEUS IN RATS. Osumi Y, Oishi R, Fujiwara H, Takaori S *Brain Res* 86: 419-27, 28 Mar 75 (Eng)

Takeyama N

[CHANGES IN THE FATTY ACID COMPOSITION OF SERUM FREE FATTY ACID AFTER GLUCOSE LOAD (AUTHORS TRANSL.)] Kato K, Kikuchi S, Takeyama N, Komatsu T *Jpn J Clin Pathol* 22: 886-8, Dec 74 (Jpn)

Talelova NN

[OXIDATIVE PHOSPHORYLATION IN THE ISOLATED MITOCHONDRIA OF HUMAN LYMPHOCYTES] Cherniak NB, Chernova MK, Timofeeva LM, Talelova NN *Vopr Med Khim* 20: 43-9, Jan-Feb 74 (Rus)

Talmor N

PREPARATION OF A MODIFIED GLUCOSE OXIDASE REAGENT FOR THE POLAROGRAPHIC DETERMINATION OF GLUCOSE WITH THE BECKMAN GLUCOSE

ANALYZER. Fischl J, Federman D, Talmor N *Clin Chem* 21: 760-1, May 75 (Eng)

Taminato A

[COMPARISON OF INSULIN REACTIONS IN VARIOUS DISEASES TO GLUCOSE, ARGININE, AND GLUCAGON] Taminato A, Inoue Y, Mori K, Goto K, Kurahachi H *Clin Endocrinol (Tokyo)* 23: 373-9, Apr 75 (Jpn)

ADOLESCENCE; ADULT; ARGININE (pharmacodynamics); COMPARATIVE STUDY; DIABETES MELLITUS (blood); ENDOCRINE DISEASES (blood); FEMALE; GLUCAGON (pharmacodynamics); GLUCOSE (pharmacodynamics); HEPATITIS (blood); HUMAN; INSULIN (blood); MALE; MIDDLE AGE.

Tan MG

[CLINICAL EXPERIENCE WITH HYPEROSMOLAR NON-KETOTIC DIABETIC COMA. Pin L, Tan MG *Singapore Med J* 16: 147-9, Jun 75 (Eng)]

Tanabe M

STUDIES ON FERROUS ION-INDUCED LIPID PEROXIDATION OF RAT LIVER MITOCHONDRIA. I. EFFECT OF INORGANIC PHOSPHATE. Yamamoto G, Tanabe M, Wakabayashi H, Hasimoto G, Yamamoto M *Acta Med Okayama* 28: 299-310, Oct 74 (Eng)

Tandeczar J

ROLE OF URIDINE DIPHOSPHATE GLUCOSE IN THE BIOSYNTHESIS OF STARCH. MECHANISM OF FORMATION AND ENLARGEMENT OF A GLUCOPROTEIC ACCEPTOR. Lavintman N, Tandeczar J, Carceller M, Mendiara S, Cardini CE *Eur J Biochem* 50: 145-55, 16 Dec 74 (Eng)

Tarshis MA

[GLUCOSE TRANSPORT INTO MEMBRANE VESICLES FROM ACHOLEPLASMA LAIDLAWII CELLS] Panchenko LF, Fedotov NS, Goriacheva LA, Tarshis MA *Dokl Akad Nauk SSSR* 221: 487-9, 1975 (Rus)

Tashjian AH Jr

INTRINSIC TRYPTOPHAN FLUORESCENCE OF MEMBRANES OF GH3 PITUITARY CELLS: QUENCHING BY THYROTROPIN-RELEASING HORMONE. Imae T, Fasman GD, Hinkle PM, Tashjian AH Jr *Biochem Biophys Res Commun* 62: 923-32, 17 Feb 75 (Eng)

Tavernier J

[RENAL VEIN THROMBOSIS IN THE NEWBORN INFANT. Demarquez JL, Tavernier J, Babin JP, de Caqueray C, Auzeiry J, Allain D, Martin C *Arch Fr Pediatr* 32: 381-92, Apr 75 (Fre)]

Taylor AW

EXERCISE AND FAT CELLS IN THE RAT. Gardiner PF, Ness GW, Secord DC, Taylor AW *Rev Can Biol* 33: 295-300, Dec 74 (Eng)

Taylor C

THE EFFECTS OF UNDERNUTRITION AND ITS RELIEF ON INTESTINAL CALCIUM TRANSPORT IN THE RAT. Adams PH, Hill LF, Wain D, Taylor C *Calcif Tissue Res* 16: 293-303, 1974 (Eng)

Taylor SI

REGULATION OF PYRUVATE DEHYDROGENASE IN ISOLATED RAT LIVER MITOCHONDRIA. EFFECTS OF OXALATE, OXIDATION-REDUCTION STATE, AND ADENOSINE TRIPHOSPHATE TO ADENOSINE DIPHOSPHATE RATIO. Taylor SI, Mukherjee C, Jungas RL *J Biol Chem* 250: 2028-35, 25 Mar 75 (Eng)

ADENOSINE DIPHOSPHATE (pharmacodynamics); ADENOSINE TRIPHOSPHATE (pharmacodynamics); ADIPOSE TISSUE (enzymology); ANIMAL EXPERIMENTS; CAPRYLATES (pharmacodynamics); CENTRIFUGATION; DINITROPHENOLS (pharmacodynamics); FREEZING; GLUTAMATES (pharmacodynamics); KETONE BODIES (pharmacodynamics); MITOCHONDRIA, LIVER (enzymology); OCTANOIC ACIDS (pharmacodynamics); OLIGOMYCIN (pharmacodynamics); ORGANOPHOSPHORUS COMPOUNDS (metabolism); OXIDATION-REDUCTION; PYRUVATE DEHYDROGENASE COMPLEX (metabolism); PYRUVATES (pharmacodynamics); RATS; ROTENONE (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Tedesco F

STIMULATION OF GLUCOSE OXIDATION IN HUMAN POLYMORPHONUCLEAR LEUCOCYTES BY C3-SEPHAROSE AND SOLUBLE C567. Tedesco F, Trani S, Soranzo MR, Patriarca P *FEBS Lett* 51: 232-6, 1 Mar 75 (Eng)

BINDING SITES; BLOOD PROTEINS (physiology); CONCAVALIN A (pharmacodynamics); FLUORESCINS; GLUCOSE (metabolism); GLYCOLYSIS (drug effects); HUMAN; KINETICS; LEUKOCYTES (metabolism, drug effects, ultrastructure); MICROSCOPY, FLUORESCENCE; MICROSCOPY, PHASE CONTRAST; PROTEIN BINDING; SEPHAROSE, TIME FACTORS.

Teitelbaum D

CELLULAR IMMUNE RESPONSE TO PERIPHERAL NERVE BASIC PROTEIN IN IDIOPATHIC FACIAL PARALYSIS (BELLS Palsy). Abramsky O, Webb C, Teitelbaum D, Arnon R *J Neurol Sci* 26: 13-20, Sep 75 (Eng)

LIPID-SPECIFIC ANTIBODIES ELICITED WITH SYNTHETIC LIPID CONJUGATES. Arnon R, Teitelbaum D *Chem Phys Lipids* 13: 352-66, Dec 74 (Eng)

Tellis V

PANCREATIC TRANSPLANTATION IN NEW YORK. Gliedman ML, Tellis V, Soberman R, Rifkin H, Freed SZ, Veith FJ *Kidney Int [Suppl]* 164-8, Oct 74 (Eng)

Tenckhoff H

MAINTENANCE PERITONEAL DIALYSIS AS AN ALTERNATIVE IN THE PATIENT WITH DIABETES MELLITUS AND END-STAGE UREMIA. Blumenkrantz MJ, Shapiro DJ, Mimura N, Greopoulos DG, Griedler RM, Levin S, Tenckhoff H, Coburn JW *Kidney Int [Suppl]* 108-14, Oct 74 (Eng)

NEUROPATHY IN DIALYZED DIABETIC PATIENTS. Blagg CR, Tenckhoff H, Scribner BH *Kidney Int [Suppl]* 86-9, Oct 74 (Eng)

Tenczynski L

[GENERALIZED LIPODYSTROPHY (LIPOATROPHIC DIABETES) WITH DIABETIC ANGIOPATHY] Tenczynski L, Snarski A *Endokrynol Pol* 26: 239-46, May-Jun 75 (Pol)

ADOLESCENCE; ADULT; CASE REPORT; CHILD; CHILD, PRESCHOOL; DIABETIC ANGIOPATHIES (complications); DIABETIC NEPHROPATHIES (complications); DIABETIC RETINOPATHY (complications); ENGLISH ABSTRACT; FEMALE; FOLLOW-UP STUDIES; HUMAN; INFANT; LIPODYSTROPHY (complications); SYNDROME.

Ternak G

PHYSIOLOGICAL EFFECT OF ORALLY ADMINISTERED ENDOTOXIN TO MAN. Emody L, Ralovich B, Barna K, Brasch G, Ternak G *J Hyg Epidemiol Microbiol Immunol (Prague)* 18: 454-8, 1974 (Eng)

Ternovaia LA

[ACTIVITY OF THE KALLIKREIN-KININ SYSTEM IN EXPERIMENTAL MYOCARDIAL INFARCT IN DOGS AND THE EFFECT OF CATECHOLAMINES] Stukalova TI, Lazareva SA, Ternovaia LA *Vopr Med Khim* 21: 88-91, Jan-Feb 75 (Rus)

Terrar DA

STRUCTURE-FUNCTION RELATIONSHIPS IN EXCITABLE MEMBRANES. Landowne D, Potter LT, Terrar DA *Annu Rev Physiol* 37: 485-508, 1975 (Eng) [134]

Thomas GH

DIFFERENCES IN PROLIFERATIVE ACTIVITY OF RAT AND HUMAN PROSTATE IN CULTURE. Shipman PA, Littlewood V, Riches AC, Thomas GH *Br J Cancer* 31: 570-80, May 75 (Eng)

Thomas JY

[CORONAROPATHIES IN THE BLACK AFRICAN. CLINICAL, ETIOLOGICAL AND CURRENT EPIDEMIOLOGICAL ASPECTS (APPROPOS OF 45 CASES)] Bertrand E, Baudin L, Chauvet J, Assamoi MO, Beda B, Renambot J, Thomas JY, Le Bras M *Arch Mal Coeur* 67: 1447-55, Dec 74 (Fre)

Thompson GE

ACUTE COLD EXPOSURE AND THE METABOLISM OF BLOOD GLUCOSE, LACTATE AND PYRUVATE, AND PLASMA AMINO ACIDS IN THE HIND LEG OF THE FED AND FASTED YOUNG OX. Bell AW, Gardner JW, Manson W, Thompson GE *Br J Nutr* 33: 207-17, Mar 75 (Eng)

Thompson J

POTASSIUM TRANSPORT AND THE RELATIONSHIP BETWEEN INTRACELLULAR POTASSIUM CONCENTRATION AND AMINO ACID UPTAKE BY CELLS OF A MARINE PSEUDOMONAD. Thompson J, MacLeod RA *J Bacteriol* 120: 598-603, Nov 74 (Eng)

AMINO ACIDS (metabolism); AMINOBUTYRIC ACIDS (analogs & derivatives, metabolism); BIOLOGICAL TRANSPORT, ACTIVE; CARBON ISOTOPES; CULTURE MEDIA; KINETICS; MARINE BIOLOGY; POTASSIUM ISOTOPES; POTASSIUM (metabolism, antagonists & inhibitors); PSEUDOMONAS (cytology, metabolism, growth & development); RADIOISOTOPES; RUBIDIUM (pharmacodynamics); SODIUM (pharmacodynamics).

Thompson RG

CIRCADIAN VARIATION OF INTEGRATED CONCENTRATION OF GROWTH HORMONE IN CHILDREN AND ADULTS. Plotnick LP, Thompson RG, Kowarski A, de Lacerda L, Migeon CJ, Blizzard RM *Nature* 253: 240-7, 13 Feb 75 (Eng)

Thompson WJ

CYCLOC NUCLEOTIDE PHOSPHODIESTERASES AND THYROID HORMONES. Van Inwegen RG, Robison GA, Thompson WJ *J Biol Chem* 250: 2452-6, 10 Apr 75 (Eng)

Tibblin G

RISK FACTORS FOR MYOCARDIAL INFARCTION AND DEATH DUE TO ISCHEMIC HEART DISEASE AND OTHER CAUSES. Tibblin G, Wilhelmsen L, Werko L *Am J Cardiol* 35: 514-22, Apr 75 (Eng)

AUTOPSY; BLOOD PRESSURE; BLOOD SEDIMENTATION; BLOOD SUGAR; CARDIAC VOLUME; CHOLESTEROL (blood); COFFEE; CORONARY DISEASE (mortality); CORONARY VESSELS (pathology); DYSPEA (occurrence); EXERTION; HEART RATE; HEMATOCRIT;

HUMAN; LUNG NEOPLASMS (mortality); MALE; MIDDLE AGE; MYOCARDIAL INFARCT (occurrence, mortality); MYOCARDIUM (pathology); NEOPLASMS (mortality); OCCUPATIONS; RESPIRATION; RISK; SMOKING; TRIGLYCERIDES (blood); WOUNDS AND INJURIES (mortality).

Till JE

AN IMPROVED METHOD FOR THE ISOLATION OF SURFACE MEMBRANES FROM CELLS IN MONOLAYER CULTURE. Carlsen SA, Till JE *Can J Biochem* 53: 106-8, Jan 75 (Eng)

Tillman W

ORGANIZATION OF ENZYMES OF GLYCOLYSIS AND OF GLUTATHIONE METABOLISM IN HUMAN RED CELL MEMBRANES. Tillman W, Cordua A, Schroter W *Biochim Biophys Acta* 382: 157-71, 13 Mar 75 (Eng)

CELL MEMBRANE (enzymology); ERYTHROCYTE AGING; ERYTHROCYTES (enzymology); FRUCTOSE DIPHOSPHATE ALDOLASE (blood); GLUTATHIONE REDUCTASE (blood); GLUTATHIONE (blood); GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE (blood); GLYCOLYSIS; HEMOGLOBINS (analysis); HEMOLYSIS; HEXOKINASE (blood); HUMAN; ISOMERASES (blood); OXIDOREDUCTASES (blood); PHOSPHOGLYCERATE KINASE (blood); PHOSPHOTRANSFERASES, ATP (blood); PYRUVATE KINASE (blood); TOLUENE.

Timofeeva LM

ORGANIZATION OF PHOSPHORYLATION IN THE ISOLATED MITOCHONDRIA OF HUMAN LYMPHOCYTES] Cherniak NB, Chernova MK, Timofeeva LM, Taleenova NN *Vopr Med Khim* 20: 43-9, Jan-Feb 74 (Rus)

Tinker DO

A MODEL OF LATERAL DIFFUSION IN PHOSPHATIDE BILAYERS AND NATURAL MEMBRANES. Tinker DO *Chem Phys Lipids* 14: 33-40, Feb 75 (Eng)

CALORIMETRY; DIFFUSION; KINETICS; MATHEMATICS; MEMBRANES, ARTIFICIAL; MODELS, BIOLOGICAL; MOLECULAR CONFORMATION; PHOSPHOLIPIDS; THERMODYNAMICS.

Tirkina TN

PHYSIOTHERAPEUTIC METHODS OF TREATMENT OF DIABETES MELLITUS] Verigo LP, Tirkina TN, Zhukovskii MA *Sov Med* 135-6, Jun 75 (Rus)

Tiwary CM

AGE-ADJUSTED ANALYSIS OF INSULIN RESPONSES DURING NORMAL AND ABNORMAL GLUCOSE TOLERANCE TESTS IN CHILDREN AND ADOLESCENTS. Rosenbloom AL, Wheeler L, Bianchi R, Chin FT, Tiwary CM, Grgic A *Diabetes* 24: 820-8, Sep 75 (Eng)

Tobin EH

CHANGES IN CARBOHYDRATE TOLERANCE DURING LONG-TERM ORAL CONTRACEPTION. Posner NA, Silverstone FA, Tobin EH, Breuer J *Am J Obstet Gynecol* 123: 119-27, 15 Sep 75 (Eng)

Tochiuchi H

[2 CASES OF LOW CARDIAC OUTPUT SYNDROME EFFECTIVELY TREATED WITH INSULIN] Okada K, Ko H, Tochiuchi H, Iwabuchi T, Kaneda M *Jpn J Anesthesiol* 24: 621-4, Jun 75 (Jpn)

Todd H

STUDIES ON GROWTH HORMONE SECRETION. VII. EFFECTS OF SOMATOSTATIN ON

Toga M

PLASMA GH, INSULIN, AND GLUCAGON IN SHEEP. Bryce D, Yeh M, Funderburk C, Todd H, Hertelendy F *Diabetes* 24: 842-50, Sep 75 (Eng)

Toga M

[LETTER: STUDY OF SYMPATHETIC GANGLIC BY ELECTRON MICROSCOPY. ANATOMO-CLINICAL RELATIONS IN ARTERIOPATHIES] Courbier R, Jausseran JM, Reggi M, Choux R, Toga M *Nouv Presse Med* 4: 1814, 14 Jun 75 (Fre)

Tokoro A

[PROCEEDINGS: FLUCTUATION OF GROWTH HORMONE LEVELS IN THE BLOOD CAUSED BY EXERCISES WITH SPECIAL REFERENCE TO SEX DIFFERENCES] Ino T, Tokoro A, Iki Y, Sugimoto T, Umehara C *Folia Endocrinol Jpn* 50: 281, 20 Feb 74 (Jpn)

Toninello A

PHOSPHATE TRANSPORT ACROSS THE MITOCHONDRIAL MEMBRANE: THE INFLUENCE OF THIOL OXIDATION AND OF MG&& ON INHIBITION BY MERCURIALS. Silprandi D, Toninello A, Zoccarato F, Bindoli A *FEBS Lett* 51: 15-7, 1 Mar 75 (Eng)

Tonso F

[PSYCHODIAGNOSIS OF JUVENILE DIABETES IN THE INITIAL PHASE] Bruni B, Bruni Bocher K, Bossi L, Fenoglio I, Tonso F *Ann Exp Med* 17: 49-100, Jan-Jun 74 (Ita)

Torzecka W

[LIVER BIOPSY IN DIABETICS] Preszczynski M, Torzecki Z, Torzecka W, Mroszczyk M *Pol Tyg Lek* 30: 1355-6, 18 Aug 75 (Pol)

[BLOOD INSULIN IN VIRAL HEPATITIS] Pieterowa R, Torzecka W, Fabianowski J, Stempien R, Polakowski P *Pol Tyg Lek* 30: 1385-8, 25 AUG 75 (Pol)

Torzecki Z

[LIVER BIOPSY IN DIABETICS] Preszczynski M, Torzecki Z, Torzecka W, Mroszczyk M *Pol Tyg Lek* 30: 1355-6, 18 Aug 75 (Pol)

Toubert JL

ORIGINAL ARTICLES. Assies J, Schellekens AP, Toubert JL *Neth J Med* 17: 163-73, 1974 (Eng)

Townsend JD

ESTROGEN SYNTHESIS BY THE PREGNANT BABOON. Kling OR, Rubin EJ, Townsend JD *J Med Primatol* 1: 102-13, 1972 (Eng)

Toyokura Y

AN ELECTRO-OCULOGRAPHIC STUDY OF OCULAR BOBBING AND INTERMITTENT VERTICAL OSCILLATIONS OCCURRING IN THE SAME PATIENT. Nakanishi T, Inoue K, Shimada Y, Toyokura Y *J Neurol* 210: 161-6, 22 Sep 75 (Eng)

Trani S

STIMULATION OF GLUCOSE OXIDATION IN HUMAN POLYMORPHONUCLEAR LEUCOCYTES BY C3-SEPHAROSE AND SOLUBLE C567. Tedesco F, Trani S, Soranzo MR, Patriarca P *FEBS Lett* 51: 232-6, 1 Mar 75 (Eng)

Trapnell JE

EDITORIAL: THE TREATMENT OF ACUTE PANCREATITIS. Trapnell JE *Acta Gastroenterol Belg* 38: 171-81, May-Jun 75 (Eng)

ACUTE DISEASE; ADULT; AGED; BLOOD TRANSFUSION; CLINICAL RESEARCH; GLUCAGON (therapeutic use); HUMAN; KALLIKREIN-TRYPSIN INACTIVATOR (therapeutic use); MIDDLE AGE; NURSING CARE; PANCREATITIS (therapy, surgery, prevention & control); POSTOPERATIVE COMPLICATIONS; RECURRENCE.

Diabetes Literature—Author Index

Tregear GW

ANALYSIS OF THE REQUIREMENTS FOR PARATHYROID HORMONE ACTION IN RENAL MEMBRANES WITH THE USE OF INHIBITING ANALOGUES. Goltzmann D, Peytremann A, Callahan E, Tregear GW, Potts JT Jr *J Biol Chem* 250: 3199-203, 25 Apr 75 (Eng)

Trinca C

NEW USES FOR PHENYTOIN. Walson P, Trinca C, Bressler R *JAMA* 233: 1385-9, 29 Sep 75 (Eng)

Tripathi R

PERIVASCULAR AND INTERVASCULAR RETICULAR FIBERS OF THE RETINA. Ashton N, Tripathi R *Am J Ophthalmol* 80: 337-50, Sep 75 (Eng)

Trivedi BL

RADIORECEPTOR-INACTIVE GROWTH HORMONE ASSOCIATED WITH STIMULATED SECRETION IN NORMAL SUBJECTS. Sneyd DS, Jacobs LS, Weldon VV, Trivedi BL, Daughaday HJ *Clin Endocrinol Metab* 41: 471-4, Sep 75 (Eng)

Trowell HC

DIETARY-FIBER HYPOTHESIS OF THE ETIOLOGY OF DIABETES MELLITUS. Trowell HC *Diabetes* 24: 762-5, Aug 75 (Eng)

ADULT; AFRICA, SOUTHERN; ANIMAL; BLOOD SUGAR (metabolism); CELLULOSE (analysis); DIABETES MELLITUS (etiology, prevention & control); DIETARY CARBOHYDRATES (adverse effects, therapeutic use); FEMALE; FLOUR (analysis); HUMAN; INSULIN (blood); LIGNIN (analysis); MALE; POLYSACCHARIDES (therapeutic use, analysis); REVIEW; WHEAT (analysis).

Trpenov I

[EARLY DIAGNOSIS OF DIABETES IN TUBERCULOSIS] Trpenov I *God Zb Med Fak Skopje* 17: 703-8, 1971 (Ser)

ADOLESCENCE; ADULT; AGED; DIABETES MELLITUS (diagnosis, etiology); HUMAN; MIDDLE AGE; TIME FACTORS; TUBERCULOSIS (complications).

Trunevska B

[VIRAL HEPATITIS AND DIABETES MELLITUS] Trunevska B, Mironski S, Karovski K, Plasevski A, Petrovski K *God Zb Med Fak Skopje* 17: 407-13, 1971 (Ser)

ADULT; DIABETES MELLITUS (complications); FEMALE; HEPATITIS, INFECTIOUS (etiology); HUMAN; MALE; MIDDLE AGE.

Truswell AS

LETTER: ABSENCE OF EFFECT OF BRAN ON BLOOD-LIPIDS. Truswell AS, Kay RM *Lancet* 1: 922-3, 19 Apr 75 (Eng)

ADULT; ANIMAL EXPERIMENTS; BREAD; CHOLESTEROL (blood); COMPARATIVE STUDY; DIET; FEMALE; HAMSTERS; HUMAN; LIPIDS (blood); MALE; PECTINS; TRIGLYCERIDES (blood); WHEAT.

Tsacopoulos M

PROCEEDINGS: A NEW SYSTEM FOR STUDYING RETINAL METABOLISM IN SITU. Tsacopoulos M, Baker R, Levy S *Exp Eye Res* 20: 184, Feb 75 (Eng)

FIBER OPTICS (methods); MICROELECTRODES; RETINA (metabolism).

Tsang RC

BLOOD SAMPLING THROUGH UMBILICAL CATHETERS. Brown DR, Fenton LJ, Tsang RC *Pediatrics* 55: 257-60, Feb 75 (Eng)

Tsapogas MJ

DEPRESSED ENDOGENOUS FIBRINOLYTIC ACTIVITY IN ESSENTIAL HYPERTENSION. Tsapogas MJ, Peabody RA, Wu KT, Devaraj KT, Eckert C *J Cardiovasc Surg (Torino)* 15: 651-4, Nov-Dec 74 (Eng)

ARTERIAL OCCLUSIVE DISEASES (complications); ATHEROSCLEROSIS (blood, complications); BLOOD COAGULATION TESTS; BLOOD SUGAR (analysis); CEREBROVASCULAR DISORDERS (complications); CHOLESTEROL (blood); FIBRINOGEN (analysis); FIBRINOLYSIS (antagonists & inhibitors); FIBRINOLYSIS; HEART DISEASES (complications); HUMAN; HYPERTENSION (blood, etiology); MALE; PLASMINOGEN (analysis); TRIGLYCERIDES (blood).

Tsoncheva AV

[NADPH- AND NAD-MALATE DEHYDROGENASE IN THE LIVER AND RENAL CORTEX AND HORMONAL REGULATION OF ITS ACTIVITY] Tsoncheva AV *Eksp Med Morfol* 13: 89-95, 1974 (Bul)

ALLOXAN DIABETES (enzymology); ANIMAL; ENGLISH ABSTRACT; HYDROCORTISONE (pharmacodynamics); KIDNEY CORTEX (enzymology, ultrastructure); LIVER (enzymology, ultrastructure); MALATE DEHYDROGENASE (metabolism); MALE; MITOCHONDRIA (enzymology); MITOCHONDRIA, LIVER (enzymology); RATS; TIME FACTORS.

Tsuboi KK

CONCENTRATIVE ACCUMULATION (ACTIVE TRANSPORT) OF 2-DEOXY-D-GLUCOSE IN PRIMATE FIBROBLASTS. Tsuboi KK, Petriciani JC *Biochem Biophys Res Commun* 62: 587-93, 3 Feb 75 (Eng)

BIOLOGICAL TRANSPORT, ACTIVE; CELL LINE, CHROMATOGRAPHY, ION EXCHANGE, DEOXY SUGARS (metabolism); DEOXYGLUCOSE (metabolism, blood); ERYTHROCYTES (metabolism); FIBROBLASTS (metabolism); HEXOSEPHOSPHATES (metabolism); HUMAN; KINETICS; LUNG; RHESUS MONKEYS; SPECIES SPECIFICITY; TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Tsuboi T

EFFECT OF GLUCOSE IN ISOPROTERENOL-INDUCED NECROTIC HEART UNDER ANOXIC PERFUSION. Tsuboi T, Osawa Y, Ishikawa K, Yoshida K, Shimizu M *Jpn J Pharmacol* 24: 803-8, Oct 74 (Eng)

ADENOSINE TRIPHOSPHATE (analysis); ANIMAL EXPERIMENTS; ANOXIA (metabolism); GLUCOSE (pharmacodynamics); GLYCOCEN (analysis); HEART DISEASES (chemically induced, physiopathology); HEART (physiopathology); ISOPROTERENOL; LACTATES (analysis, metabolism); MALE; MYOCARDIUM (metabolism, analysis); NECROSIS (chemically induced); PERFUSION; PHOSPHOCREATINE (analysis); RATS; TIME FACTORS.

[LIPID-LOWERING EFFECT OF D,L-ALPHA-METHYL THYROXINE ETHYL ESTER (CG-635) AND ITS INFLUENCE ON BASAL METABOLIC RATE, HEART AND THYROID GLAND] Kuwashima J, Tsuboi T, Fujitani B, Ishikawa K, Nakamura K *J Pharm Soc Jpn* 94: 1541-9, Dec 74 (Jpn)

Tsukui T

[PROCEEDINGS: ETIOLOGICAL CONSIDERATION IN ACROMEGALY: ON THE MULTIRECEPTOR OF THE GROWTH HORMONE SECRETING CELLS] Onaya T, Tsukui T, Sato A, Kobayashi R, Iwasa Y *Folia Endocrinol Jpn* 50: 282, 20 Feb 74 (Jpn)

Tsushima T

[PROCEEDINGS: GROWTH HORMONE (CGH) SECRETION IN THE DOG DURING SLEEPING. 3. THE EFFECT OF LIGHT, DARKNESS AND SLEEP INTERRUPTION] Takahashi K, Takahashi Y, Hoda H, Tsushima T, Irie M *Folia Endocrinol Jpn* 50: 273, 20 Feb 74 (Jpn)

Tsyperovich AS

[ACTIVE CENTERS AND THE SUBSTRATE SPECIFICITY OF MIROORGANISM PROTEINASES] Tsyperovich AS, Lysenkov NV, Kolodzeiskaia MV *Usp Savrem Biol* 77: 18-34, Jan-Feb 74 (Rus) [109]

ACTINOMYCETALES (enzymology); AMIDES (metabolism); AMINO ACID SEQUENCE; BACTERIA (enzymology); ENZYME ACTIVATION; ENZYME REPRESSION; ESTERS; EVOLUTION; FUNGI (enzymology); HYDROGEN-ION CONCENTRATION; HYDROLYSIS; INSULIN (metabolism); PEPTIDE HYDROLASES (pharmacodynamics, classification, antagonists & inhibitors); PEPTIDES (metabolism); REVIEW; SPECIES SPECIFICITY; STRUCTURE-ACTIVITY RELATIONSHIP; SUBTILISINS (pharmacodynamics); YEASTS (enzymology).

Tubbs PK

3-HYDROXY-3-METHYLGLUTARYL-COA SYNTHASE FROM BAKERS YEAST. Middleton B, Tubbs PK *Methods Enzymol* 35: 173-7, 1975 (Eng)

Tulchinsky VM

THE ENNIATIN IONOPHORES, CONFORMATION AND ION BINDING PROPERTIES. Ovchinnikov YA, Ivanov VT, Evstratov AV, Mikhaleva II, Bystrov VF, Portnova SL, Balashova TA, Meshcheryakova EN, Tulchinsky VM *Int J Pept Protein Res* 6: 465-98, 1974 (Eng)

Turcot-Lemay L

EFFECT OF GLUCOSE AND ANTI-INSULIN SERUM ON INSULIN RELEASED FROM ADULT RAT ISOLATED ISLETS OF LANGERHANS IN LONG-TERM ORGAN CULTURE (FOURTEEN DAYS). Turcot-Lemay L, Lacy PE *Diabetes* 24: 658-63, Jul 75 (Eng)

ANIMAL; DOSE-RESPONSE RELATIONSHIP, DRUG; GLUCOSE (pharmacodynamics); INSULIN ANTIBODIES (administration & dosage); INSULIN (secretion); ISLANDS OF LANGERHANS (secretion, drug effects); MALE; ORGAN CULTURE; RATS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Turkolev N

[ALTERATIONS IN PLASMA INSULIN AND BLOOD GLUCOSE DURING ANESTHESIA AND SURGERY] Goshva-Antonova Ts, Turkolev N *Khirurgia (Sofia)* 27: 487-92, 1974 (Bul)

Turnbull AC

PROCEEDINGS: IN-VITRO METABOLISM OF PROSTAGLANDINS IN TISSUES FROM THE PREGNANT HUMAN UTERUS. Keirse MJ, Turnbull AC *J Endocrinol* 64: 18p, Jan 75 (Eng)

Turtle JR

ANTIGENICITY OF MONOCOMPONENT PORK INSULIN IN DIABETIC SUBJECTS. Yue DK, Turtle JR *Diabetes* 24: 625-32, Jul 75 (Eng)

TYPE V HYPERLIPOPROTEINEMIA REVISITED: FINDINGS IN A SYDNEY POPULATION. Simons LA, Williams PF, Turtle JR *Aust NZ J Med* 5: 210-9, Jun 75 (Eng)

Tuset N

ACUTE RENAL INSUFFICIENCY IN THE RABBIT BY GLYCEROL. Gras J, Tuset N, de Vega F, Cisar F, Navarro J, del Valle O *Rev Esp Fisiol* 31: 1-3, Mar 75 (Eng)

Udeschini G

HYPORESPONSIVENESS TO GLUCOPRIVATION DURING POSTNATAL PERIOD IN THE RAT. Gil-Ad I, Udeschini G, Cocchi D, Muller EE *Am J Physiol* 229: 512-7, Aug 75 (Eng)

Uehara A

[PROCEEDINGS: STIMULATION OF PITUITARY HORMONE SECRETION BY PG E1] Uehara A *Folia Endocrinol Jpn* 50: 660, 20 Feb 74 (Jpn)

ANIMAL EXPERIMENTS; FEMALE; PITUITARY HORMONES (secretion); PROSTAGLANDINS (administration & dosage); RATS; STIMULATION, CHEMICAL..

Ui M

POTENTIATION OF THE ADRENERGIC BETA-RECEPTOR-MEDIATED INSULIN SECRETION IN PERTUSSIS-SENSITIZED RATS. Sumi T, Ui M *Endocrinology* 97: 352-8, Aug 75 (Eng)

Ullrey D

UPTAKE PATTERNS AND TRANSPORT ENHANCEMENTS IN CULTURES OF HAMSTER CELLS DEPRIVED OF CARBOHYDRATES. Ullrey D, Gammon MT, Kalkar HM *Arch Biochem Biophys* 167: 410-6, Apr 75 (Eng)

BIOLOGICAL TRANSPORT; CARBOHYDRATES (metabolism); CELL LINE (metabolism); CELL TRANSFORMATION, NEOPLASTIC; DEOXYGLUCOSE (metabolism); FRUCTOSE (metabolism); GALACTOSE (metabolism); HAMSTERS; KINETICS; LACTATES (metabolism); POLYOMA VIRUS (metabolism); PYRUVATES (metabolism); TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Umehara C

[PROCEEDINGS: FLUCTUATION OF GROWTH HORMONE LEVELS IN THE BLOOD CAUSED BY EXERCISES WITH SPECIAL REFERENCE TO SEX DIFFERENCES] Ino T, Tokoro A, Iki Y, Sugimoto T, Umehara C *Folia Endocrinol Jpn* 50: 281, 20 Feb 74 (Jpn)

[PROCEEDINGS: EFFECT OF GLUCOCORTICOID AND ESTROGEN ON GLUCOSE UPTAKE BY THE ADIPOSE TISSUE] Umehara C, Nishikawa Y, Iki Y, Sugimoto T *Folia Endocrinol Jpn* 50: 650, 20 Feb 74 (Jpn)

ADIPOSE TISSUE (metabolism); ANIMAL EXPERIMENTS; ESTROGENS (pharmacodynamics); GLUCOCORTICOIDS (pharmacodynamics); GLUCOSE (metabolism); IN VITRO; MALE; RATS.

Umminger BL

IN VITRO STIMULATION OF HEPATIC GLYCOGEN PHOSPHORYLASE ACTIVITY BY EPINEPHRINE AND GLUCAGON IN THE KILLIFISH, FUNDULUS HETEROCITUS. Umminger BL, Benziger D, Levy S *Comp Biochem Physiol* [C] 51: 111-5, 1 Jun 75 (Eng)

ANIMAL; EPINEPHRINE (pharmacodynamics); FISHES (metabolism); GLUCAGON (pharmacodynamics); GLYCOGEN PHOSPHORYLASE (metabolism); IN VITRO; KILLIFISH (metabolism); KINETICS; LEARNING (drug effects); LIVER (enzymology, drug effects); MALE; STRESS (enzymology); TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Unger R

A MORPHOLOGICAL BASIS FOR INTERCELLULAR COMMUNICATION BETWEEN ALPHA- AND BETA-CELLS IN THE ENDOCRINE PANCREAS. Orzi L, Malaisse-Lagae F, Ravazzola M, Rouiller D, Renold AE, Perrelet A, Unger R *J Clin Invest* 56: 1066-70, Oct 75 (Eng)

Unger RH

INTERRELATIONS OF GLUCOSE, INSULIN AND GLUCAGON AFTER OVERNIGHT FAST AND IN RESPONSE TO ORAL GLUCOSE DURING LATE PREGNANCY. Nitzan M, Freinkel N, Metzger BE, Unger RH, Faloona GR, Daniel RR *Isr J Med Sci* 11: 617-22, Jun 75 (Eng)

Unni KK

REGRESSION OF ESTABLISHED NATURAL ATHEROSCLEROTIC LESIONS BY INTESTINAL BYPASS SURGERY IN PIGEONS: STRUCTURE AND CHEMISTRY. Kottke BA, Unni KK, Carlo IA, Subbiah MT *Trans Assoc Am Physicians* 87: 263-70, 1974 (Eng)

Uozumi T

[PROCEEDINGS: EVALUATION OF CARBOHYDRATE METABOLISM OF PATIENTS FOLLOWING PANCREATODUODENECTOMY] Miyata M, Takao T, Sadani M, Manabe H, Uozumi T *Folia Endocrinol Jpn* 50: 206, 20 Feb 74 (Jpn)

Urbinati G

MISUNDERSTANDING OR ERROR THE UGDP REPORT AFTER FOUR YEARS. Marigo S, Adezati L, Burnetti P, Pozza G, Robba L, Urbinati G *Acta Diabetol Lat* 11: 357-422, Sep - Oct 74 (Eng) [83]

Uwayjan M

EFFECT OF HIGH AMBIENT TEMPERATURE AND LOW HUMIDITY ON NUTRIENT UTILIZATION AND ON SOME PHYSIOLOGICAL RESPONSES IN AWASI SHEEP FEED DIFFERENT LEVELS OF ROUGHAGE. Bhattacharya AN, Uwayjan M *J Anim Sci* 40: 320-8, Feb 75 (Eng)

Vagnucci AH

TIME SERIES ANALYSIS OF HORMONAL PATTERNS IN HUMAN PLASMA. Vagnucci AH, Wong AK, Liu TS *Comput Biomed Res* 7: 513-32, Dec 74 (Eng)

ADOLESCENCE; ADULT; ALDOSTERONE (blood); BIOLOGICAL CLOCKS; BIOMETRY; CIRCADIAN RHYTHM; DIURNAL RHYTHM; FEMALE; HUMAN; HYDROCORTISONE (blood); HYPERALDOSTERONISM (blood); MALE; RENIN (blood); SOMATOTROPIN (blood); TIME FACTORS.

Vaisrub S

EDITORIAL: GLUCAGON AND SHOCK. Vaisrub S *JAMA* 233: 1195, 15 Sep 75 (Eng)

ADRENERGIC BETA RECEPTOR BLOCKADERS (pharmacodynamics); ANIMAL; DOGS; GLUCAGON (secretion, antagonists & inhibitors); HUMAN; MYOCARDIAL INFARCT (complications); SHOCK (blood); SHOCK, CARDIOGENIC (blood, complications).

EDITORIAL: INTRAVASCULAR FACTORS IN DIABETIC RETINOPATHY. Vaisrub S *JAMA* 233: 1303, 22 Sep 75 (Eng)

ADENOSINE DIPHOSPHATE (pharmacodynamics, diagnostic use); BLOOD PLATELETS (drug effects); DIABETIC RETINOPATHY (blood); FIBRINOGEN (analysis); FIBRINOLYSIS; PLATELET AGGREGATION.

Valdez-Ochoa S

[CLINICAL STUDY OF A NEW SYNTHETIC STEROID IN THE TREATMENT OF BRONCHIAL ASTHMA] Pacheco CR, Valdez-Ochoa S, Naranjo H, Alvarez H, Aguilar M, Saavedra M *Gac Med Mex* 104: 313-9, Oct 72 (Spa)

Valek J

[HYPERLIPIDEMIA AND HYPERLIPOPROTEINEMIA AMONG THE RELATIVES OF DIABETIC PATIENTS] Valek J,

Diabetes Literature—Author Index

Vallotton MB

Grafnetter D, Slabochova Z, Platilova H *Cas Lek Cesk* 114: 837-40, 4 Jul 75 (Cze)
ARTERIOSCLEROSIS (etiology); DIABETES MELLITUS (complications, familial & genetic); ENGLISH ABSTRACT; FEMALE; HUMAN; HYPERLIPIDEMIA (complications, familial & genetic); LIPOPROTEINS (blood); MALE; OBESITY IN DIABETES (familial & genetic).
[METABOLIC RESPONSE TO NEW LIPID-LOWERING DIET (AUTHORS TRANSL.)] Valek J, Kuhn E, Pechar J, Storkova H *Cas Lek Cesk* 113: 647-50, 31 May 74 (Cze)
ADULT; ARTERIOSCLEROSIS (metabolism); DIETARY FATS (metabolism); ENGLISH ABSTRACT; HUMAN; HYPERLIPIDEMIA (diet therapy); LIPIDS (metabolism).

Vallotton MB

[BARTTERS SYNDROME AND TUBULAR FUNCTIONAL DISTURBANCES] Fricker H, Frey K, Vallotton MB, Gugler E *Helv Paediatr Acta* 30: 61-77, May 75 (Ger)

Van Buul S

SOMATOMEDINS. Van den Brande JL, Van Buul S *Sr J Med Sci* 11: 693-8, Jul 75 (Eng) [38]

Van Cauter E

MONTHLY VARIATIONS OF SERUM LEVELS OF THYROTROPIN, GROWTH HORMONE AND CORTISOL IN MAN. Golstein J, Van Cauter E, Leclercq R, Copinschi G, Vanhaelst L *Horm Metab Res* 6: 506-9, Nov 74 (Eng)

Van den Berg KJ

CORRELATION OF EARLY CHANGES IN AMINO ACID TRANSPORT AND DNA SYNTHESIS IN STIMULATED LYMPHOCYTES. Van den Berg KJ, Betel I *Cell Immunol* 10: 319-23, Feb 74 (Eng)

AMINOISOBUTYRIC ACID (metabolism); ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT; CARBON RADIOISOTOPES; CONCAVALIN A: DNA (biosynthesis); ESCHERICHIA COLI (immunology); LIPOPOLYSACCHARIDES, LYMPHOCYTE TRANSFORMATION; LYMPHOCYTES (immunology); MICE, INBRED CBA; POLYSACCHARIDES, BACTERIAL; RATS; SPLEEN (cytology); THYMIDINE (metabolism); THYMUS GLAND (abnormalities, cytology).

Van den Brande JL

SOMATOMEDINS. Van den Brande JL, Van Buul S *Sr J Med Sci* 11: 693-8, Jul 75 (Eng) [38]
BINDING, COMPETITIVE; HUMAN; INSULIN (metabolism); RECEPTORS, HORMONE; REVIEW; SOMATOMEDIN (physiology, isolation & purification, pharmacodynamics).

Van Heijenoort Y

[INFLUENCE OF THE SUPPLEMENTATION OF RATION WITH CONJUGATED BILIARY SALTS ON THE EQUIPMENT AND BILIARY ACIDS OF THE SMALL INTESTINE IN THE RAT. MODIFICATIONS OF THE APPARENT ABSORPTION OF FATTY ACIDS] Demarne Y, Saquet E, Van Heijenoort Y, Mathis C *Ann Biol Anim Biochim Biophys* 14: 239-50, 1974 (Fre)

Van Inwegen RG

CYCLIC NUCLEOTIDE PHOSPHODIESTERASES AND THYROID HORMONES. Van Inwegen RG, Robinson GA, Thompson WJ *J Biol Chem* 250: 2452-6, 10 Apr 75 (Eng)
ADENOSINE CYCLIC 3,5 MONOPHOSPHATE; ADIPOSE TISSUE (enzymology, drug effects); ANIMAL EXPERIMENTS; DIBUTYRYL CYCLIC AMP (pharmacodynamics); EPINEPHRINE (pharmacodynamics); GLYCERIN (metabolism); GUANOSINE CYCLIC 3,5 MONOPHOSPHATE; HYPOTHYROIDISM (enzymology, chemically induced); KINETICS; LIPID MOBILIZATION (drug effects); MALE; PHOSPHODIESTERASES

(metabolism); PROPYLTHIOURACIL (pharmacodynamics); PROTEIN KINASE (metabolism); RATS; THEOPHYLLINE (pharmacodynamics); THYROID GLAND (physiology); THYROID HORMONES (pharmacodynamics); TIME FACTORS; TRIIODOTHYRONINE (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; XANTHINES (pharmacodynamics).

van Mourik W

SCANNING ELECTRON MICROSCOPIC OBSERVATIONS OF ENDOTHELIAL CHANGES IN EXPERIMENTALLY INDUCED ATHEROMATOSIS OF RABBIT AORTAS. de Bruijn WC, van Mourik W *Virchows Arch [Pathol Anat]* 365: 23-40, 1975 (Eng)

Vancini B

[USE OF GLUCAGON IN SMALL DOSES AND REINFUSION OF DESALTED AND CONCENTRATED ASCITIC FLUID IN THE THERAPY OF REFRACTORY CARDIAC DECOMPENSATION] Vancini B, Govoni P, Caio M *Boll Soc Ital Cardiol* 19: 401-7, 1974 (Ita)

ASCITIC FLUID; ENGLISH ABSTRACT; GLUCAGON (administration & dosage, therapeutic use); HEART FAILURE, CONGESTIVE (therapy, drug therapy); HUMAN; METHODS; SODIUM.

Vanhaelst L

MONTHLY VARIATIONS OF SERUM LEVELS OF THYROTROPIN, GROWTH HORMONE AND CORTISOL IN MAN. Golstein J, Van Cauter E, Leclercq R, Copinschi G, Vanhaelst L *Horm Metab Res* 6: 506-9, Nov 74 (Eng)

Vannareth T

[PANCREATIC TRANSPLANTATION: ENDOCRINE FUNCTION OF THE GRAFTED PANCREAS, CURRENT DATA AND FUTURE PROSPECTS] Eloy R, Jaek D, Schang JC, Vannareth T, Gillet M, Grenier JF, Moody AJ *Ann Chir* 29: 559-69, Jun 75 (Fre)

Varandani PT

INSULIN DEGRADATION. XV. USE OF DIFFERENT ASSAY METHODS FOR THE STUDY OF MECHANISM OF ACTION OF GLUTATHIONE-INSULIN TRANSHYDROGENASE. Chandler ML, Varandani PT *Biochim Biophys Acta* 397: 307-17, 26 Aug 75 (Eng)

Varola F

[PANCREATIC CYSTS] Varola F, Beccaria A, Oliaro A, Sasso D, Villata E, Cirillo R *Minerva Chir* 30: 83-125, 15 Feb 75 (Ita)
ADULT; AGED; ANGIOGRAPHY; CARBOHYDRATES (metabolism); CHOLANGIOGRAPHY; ENDOSCOPY; ENGLISH ABSTRACT; FEMALE; HUMAN; INTESTINAL ABSORPTION; INTESTINAL DISEASES, PARASITIC (complications); LIPIDS (metabolism); MALE; MIDDLE AGE; PANCREAS (anatomy & histology, physiology, metabolism); PANCREATIC CYST (diagnosis, classification, etiology); PANCREATIC NEOPLASMS (complications); RADIOISOTOPE SCANNING; SPLENOPTOGRAM.

Vasiukova EA

[DIABETES MELLITUS IN CHILDREN AND ADOLESCENTS (THERAPY, PREVENTION)] Vasiukova EA, Kasatkina EP *Sov Med* 52-6, Jun 75 (Rus)
ADOLESCENCE; AGE FACTORS; CHILD; CHILD, PRESCHOOL; DIABETES MELLITUS (therapy); DIABETES MELLITUS, JUVENILE (prevention & control); ENGLISH ABSTRACT; HUMAN; INFANT.

Veith FJ

PANCREATIC TRANSPLANTATION IN NEW YORK. Gledman ML, Tellis V, Soberman R, Rifkin H, Freed SZ, Veith FJ *Kidney Int [Suppl]* 164-8, Oct 74 (Eng)

Velasco FT

[NON-FUNCTIONING ADRENOCORTICAL CARCINOMA AND FOCAL CHRONIC PYELONEPHRITIS] Yanez AP, Fernandez CJ, Mejias MM, Rojas MT, Velasco FT, Cortina de Luna JL *Rev Clin Esp* 137: 565-70, 30 Jun 75 (Spa)

Velkova-Simova N

[HEMOSTASIS IN COMATOUS AND SUBCOMATOUS PATIENTS WITH VIRAL HEPATITIS] Velkova-Simova N, Grunevska B *God Zb Med Fak Skopje* 17: 177-86, 1971 (Ser)
ADOLESCENCE; ADULT; BLOOD COAGULATION DISORDERS (etiology); CHILD; DIABETIC COMA (blood); ENGLISH ABSTRACT; FEMALE; HEMOSTASIS; HEPATITIS, INFECTIOUS (blood, complications); HUMAN; MALE.

Verigo LP

PHYSIOTHERAPEUTIC METHODS OF TREATMENT OF DIABETES MELLITUS] Verigo LP, Tirkina TN, Zhukovskii MA *Sov Med* 135-6, Jun 75 (Rus)
ADULT; DIABETES MELLITUS (therapy); DIABETIC ANGIOPATHIES (therapy); DIABETIC NEUROPATHIES (therapy); HUMAN; MIDDLE AGE; PHYSICAL THERAPY.

Verma SP

EVIDENCE FOR CONSTRAINED LIPID MOBILITY IN THE ERYTHROCYTE GHOST. A SPIN LABEL STUDY. Verma SP, Wallach DFH *Biochim Biophys Acta* 382: 73-82, 28 Feb 75 (Eng)

CELL MEMBRANE (analysis, ultrastructure); CHOLESTEROL; ELECTRON SPIN RESONANCE; ERYTHROCYTES (analysis, ultrastructure); FREEZING; HUMAN; LECITHINS; LIPIDS (blood); MATHEMATICS; MOLECULAR CONFORMATION; SPIN LABELS; STEARIC ACIDS; THERMODYNAMICS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Vernet A

[DIABETES MELLITUS AND ARTERIAL HYPERTENSION (AUTHORS TRANSL.)] Vernet A, Fabre J, Merier G *Praxis* 64: 583-8, 13 May 75 (Fre)
ADULT; AGED; CHOLESTEROL (blood); COMPARATIVE STUDY; DIABETES MELLITUS (complications); DIABETIC ANGIOPATHIES (etiology); DIABETIC NEPHROPATHIES (etiology); ENGLISH ABSTRACT; FEMALE; HUMAN; HYPERTENSION (complications); MALE; MIDDLE AGE; OBESITY IN DIABETES (complications); TIME FACTORS.

Veser J

[BIOLOGICAL EFFECTS OF GROWTH-INDUCING SERUM PROTEINS ON ADIPOSE TISSUE] Renner R, Hepp KD, Mehnert H, Veser J, Frank W *Verh Dtsch Ges Inn Med* 80: 1222-4, 1974 (Ger)

Vezinhet A

[EVOLUTION OF DIFFERENT TYPES OF ADIPOSE DEPOSITS AFTER BIRTH IN NORMAL OR HYPOPHYSECTOMIZED SHEEP MERINOS DARLES] Vezinhet A, Prudhon M, Benevent M *Ann Biol Anim Biochim Biophys* 14: 117-29, 1974 (Fre)

ADIPOSE TISSUE (drug effects); AGING; ANIMAL EXPERIMENTS; CATTLE; ENGLISH ABSTRACT; FEMALE; MALE; PITUITARY GLAND (physiology); SHEEP; SOMATOTROPIN (pharmacodynamics).

Vial R

EFFECT OF EXERCISE AND PHYSICAL FITNESS ON SERUM LIPIDS AND LIPOPROTEINS. Lopez A, Vial R, Balart L, Arroyave G *Atherosclerosis* 20: 1-9, Jul-Aug 74 (Eng)

Victor C

A NEW CONCEPT FOR THE EVALUATION OF THE BLOOD GLUCOSE AND INSULIN RESPONSES OF HEALTH SUBJECTS FOLLOWING AN ORAL GLUCOSE LOAD. Szabo O, Oppermann W, Victor C, Camerini-Davalos RA *Acta Diabetol Lat* 11: 265-76, Jul-Aug 74 (Eng)

Vignais PM

INTERACTION BETWEEN SPIN-LABELED ACYL-COENZYME A AND THE MITOCHONDRIAL ADENOSINE DIPHOSPHATE CARRIER. Devaux PF, Bienvenue A, Lauquin G, Brisson AD, Vignais PM, Vignais PV *Biochemistry* 14: 1272-80, 25 Mar 75 (Eng)

Vignais PV

INTERACTION BETWEEN SPIN-LABELED ACYL-COENZYME A AND THE MITOCHONDRIAL ADENOSINE DIPHOSPHATE CARRIER. Devaux PF, Bienvenue A, Lauquin G, Brisson AD, Vignais PM, Vignais PV *Biochemistry* 14: 1272-80, 25 Mar 75 (Eng)

Villata E

[PANCREATIC CYSTS] Varola F, Beccaria A, Oliaro A, Sasso D, Villata E, Cirillo R *Minerva Chir* 30: 83-125, 15 Feb 75 (Ita)

Vinik AI

IMMUNOREACTIVE GLUCAGON RESPONSES TO INTRAVENOUS TOLBUTAMIDE IN CHRONIC PANCREATITIS. Kalk WJ, Vinik AI, Paul M, Leller P, Jackson WP *Diabetes* 24: 851-5, Sep 75 (Eng)

LETTER: CLINICAL ASPECTS OF MONOCOMPONENT INSULIN IN DIABETES. Vinik AI, Jackson WP *Lancet* 2: 5488, 20 Sep 75 (Eng)

ADOLESCENCE; ADULT; AGED; DIABETES MELLITUS (immunology); FEMALE; HUMAN; INSULIN ANTIBODIES; INSULIN (administration & dosage); MALE; MIDDLE AGE.

Vinten J

INSULIN RECEPTORS IN FAT CELLS: RELATIONSHIP BETWEEN BINDING AND ACTIVATION. Gliemann J, Gammeltoft S, Vinten J *Isr J Med Sci* 11: 656-63, Jul 75 (Eng)

Vitale D

[PRELIMINARY RESEARCH ON THE EFFECTS OF ADMINISTRATION OF COA ON PLASMA LIPIDS IN HUMANS] Arrigo F, Vitale D, Consolo F *Clin Ter* 71: 459-68, 15 Dec 74 (Ita)

Vizek K

METABOLIC ACTIVITY OF BROWN ADIPOSE TISSUE DURING DEVELOPMENT. Kunes J, Vizek K, Drahota Z *Physiol Bohemoslov* 21: 609-14, 1972 (Eng)

Vlachoyannis J

[PLASMA NORADRENALINE AND ADRENALINE, PLASMA RENIN ACTIVITY AND CYCLIC AMP DURING REST PERIOD AND ORTHOSTATIS IN VARIOUS TYPES OF HYPERTENSION] Brecht HM, Musil HA, Vlachoyannis J, Schoeppe W *Verh Dtsch Ges Inn Med* 80: 245-8, 1974 (Ger)

Volkov AG

[PROTON AND ELECTRON TRANSPORT THROUGH BILAYER MEMBRANES AND THE DECAENE/WATER INTERFACE IN THE PRESENCE OF CHLOROPHYLL] Volkov AG, Lozhkin BT, Boguslavskii LJ *Dokl Akad Nauk SSSR* 220: 1207-10, 1975 (Rus)

ALKANES; CHLOROPHYLL; ELECTRON TRANSPORT; LIPIDS; MEMBRANE POTENTIALS; MEMBRANES, ARTIFICIAL; NAD; PROTONS; WATER.

von Hartitzsch B

RENAL TRANSPLANTATION IN INSULIN-DEPENDENT DIABETIC PATIENTS. Kjellstrand CM, Shideman JR, Simmons RL, Buselmeier TJ, von Hartitzsch B, Goetz FC, Najarian JS *Kidney Int* [Suppl] 15-20, Oct 74 (Eng)

von Muhlendahl KE

GROWTH HORMONE AND CORTISOL IN NEONATES DURING PHOTOTHERAPY. von Muhlendahl KE, Ballowitz L *Z Kinderheilkd* 119: 53-8, 1975 (Eng)

BILIRUBIN (blood); CIRCADIAN RHYTHM; HUMAN; HYDROCORTISONE (blood); HYPERBILIRUBINEMIA (therapy); INCUBATORS; INFANT, NEWBORN; INFANT, NEWBORN, DISEASES (therapy, blood); LIGHT; SOMATOTROPIN (blood).

Von Werder K

ALTERED HYPOTHALAMIC-PITUITARY-ADRENAL RESPONSIVENESS TO DEXAMETHASONE-INSULIN TOLERANCE TEST IN ACTIVE ACROMEGALY. Hofeldt FD, Levin SR, Von Werder K, Becker N, Schneider V, Hane S, Seymour R, Adams JE, Forsham PH *J Clin Endocrinol Metab* 41: 399-401, Aug 75 (Eng)

Vos J

MUSCULAR CAPILLARY BASEMENT MEMBRANE HYPERTROPHY IN HYPERLIPIDEMIA TYPE IV: A REVERSIBLE CONSEQUENCE OF A METABOLIC DISORDER. De Vries O, Vos J, Reitsma WD, Doorenbos H, Molenaar I *Neth J Med* 17: 220-6, 1974 (Eng)

Voss C

[GLUCOSE TOLERANCE AND THYROID FUNCTION] Voss C, Lorenz C, Ratzmann L, Hartmann N *Acta Biol Med Ger* 33: 515-20, 1974 (Ger)

ANIMAL; BLOOD SUGAR (metabolism); DISEASE MODELS, ANIMAL; GLUCONEOGENESIS; GLUCOSE TOLERANCE TEST; HYPERTHYROIDISM (blood); HYPOTHYROIDISM (blood); MALE; METHIMAZOLE; METHYLTHIOURACIL; RATS; THYROID GLAND (physiopathology); THYROXINE (blood).

Vrabec F

ACTIVATED HUMAN RETINAL MICROGLIA UNDER PATHOLOGICAL CONDITIONS. Vrabec F *Albrecht von Graefes Arch Klin Ophthalmol* 196: 49-60, 4 Aug 75 (Eng)

CELL DIVISION; CELL MOVEMENT; CHOROID NEOPLASMS (pathology); DIABETIC RETINOPATHY (pathology); EPITHELIAL CELLS (pathology); EYE INJURIES (pathology); GLAUCOMA (pathology); HUMAN; MACROPHAGES (pathology); MELANOMA (pathology); NEUROGLIA (pathology); RETINA (pathology, innervation); RETINAL DISEASES (pathology); RETINAL VESSELS (pathology); VACUOLES.

Wachnik Z

[STUDIES UPON THE EFFECT OF AGE AND NUTRITIONAL FACTORS ON LIPID AND PROTEIN METABOLISM IN INFANTS (AUTHORS TRANSL)] Gornicki B, Litwin E, Krukowa A, Kleczkowska H, Rodkiewicz B,

Kowalczyk Z, Dzieniszewska L, Wachnik Z, Symonowicz H *Probl Med Wieku Rozwoj* 1: 33-70, 1972 (Pol)

Waechter J

THE PARTICIPATION OF LIPID-LINKED OLIGOSACCHARIDE IN SYNTHESIS OF MEMBRANE GLYCOPROTEINS. Lucas JJ, Waechter J, Lennarz WJ *J Biol Chem* 250: 1992-2002, 25 Mar 75 (Eng)

Wagh PV

LIPOLIPIN: A GLYCOPROTEIN INHIBITOR OF POSTHEPARIN PLASMA LIPOPROTEIN LIPASE. Wagh PV *Adv Exp Med Biol* 52: 281-8, 1975 (Eng)

ANIMAL EXPERIMENTS; AORTA; DOGS; DOSE-RESPONSE RELATIONSHIP, DRUG; FATTY ACIDS, NONESTERIFIED (metabolism); GLYCOPROTEINS (pharmacodynamics); HEPARIN (pharmacodynamics); KINETICS; LIPOPROTEIN LIPASE (antagonists & inhibitors); SWINE; TRIGLYCERIDES (metabolism); UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Wagle DS

STUDIES ON THE ACTION OF HORMONES ON THE INTESTINAL TRANSPORT OF L-HISTIDINE. Kansal VK, Wagle DS *Indian J Physiol Pharmacol* 19: 28-33, Jan-Mar 75 (Eng)

Wagler S

[ETHANOL ELIMINATION IN CHILDHOOD] Schippan R, Wagler S, Zschocke D *Kinderarztl Prax* 43: 193-201, May 75 (Ger)

Wahren J

RENAL SUBSTRATE EXCHANGE IN HUMAN DIABETES MELLITUS. Wahren J, Felig P *Diabetes* 24: 730-4, Aug 75 (Eng)

ADULT; AMINO ACIDS (blood); BLOOD SUGAR (metabolism); DIABETES MELLITUS (metabolism); FATTY ACIDS, NONESTERIFIED (blood); GLUCONEOGENESIS; GLYCERIN (blood); HUMAN; HYPERGLYCEMIA (metabolism); KETONE BODIES (blood); KIDNEY (metabolism, blood supply); LACTATES (blood); MALE; PYRUVATES (blood); REGIONAL BLOOD FLOW; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

SYMPOSIUM I: HORMONE-FUEL INTERACTIONS IN NORMAL AND DIABETIC MAN. THE LIVER AS SITE OF INSULIN AND GLUCAGON ACTION IN NORMAL, DIABETIC AND OBESE HUMANS. Felig P, Wahren J *Isr J Med Sci* 11: 528-39, Jun 75 (Eng) [55]

GLUCOSE AND FREE FATTY ACID UTILIZATION IN EXERCISE. STUDIES IN NORMAL AND DIABETIC MAN. Wahren J, Hagenfeldt L, Felig P *Isr J Med Sci* 11: 551-9, Jun 75 (Eng)

BLOOD SUGAR (metabolism); CLINICAL RESEARCH; DIABETES MELLITUS (metabolism); EXERCISE; FATTY ACIDS, NONESTERIFIED (metabolism); GLUCONEOGENESIS; GLUCOSE (metabolism); HUMAN; KETONE BODIES (metabolism); LEG; LIVER (metabolism); MALE; MUSCLES (metabolism); OXYGEN CONSUMPTION; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Waibel P

[LETTER: SYMPATECTOMY IN DIABETES] Waibel P *Dtsch Med Wochenschr* 100: 2058, 3 Oct 75 (Ger)

DIABETES MELLITUS (therapy); DIABETIC ANGIOPATHIES (therapy); HUMAN; SYMPATECTOMY.

Wain D

THE EFFECTS OF UNDERNUTRITION AND ITS RELIEF ON INTESTINAL CALCIUM TRANSPORT IN THE RAT. Adams PH, Hill LF, Wain D, Taylor C *Calcif Tissue Res* 16: 293-303, 1974 (Eng)

Wakabayashi H

Wakabayashi H

STUDIES ON FERROUS ION-INDUCED LIPID PEROXIDATION OF RAT LIVER MITOCHONDRIA. I. EFFECT OF INORGANIC PHOSPHATE. Yamamoto G, Tanabe M, Wakabayashi H, Hasimoto G, Yamamoto M *Acta Med Okayama* 28: 299-310, Oct 74 (Eng)

Walbaum R

[DIGITO-PALMAR DERMATOGLYPHICS OF THE CHILD BORN TO A DIABETIC MOTHER] Leblanc-Pieraert C, Walbaum R, Fontaine G *Lille Med* 20: 188-97, Mar 75 (Fre)

Waldhausl W

[BLOOD GLUCOSE AND IMMUNOREACTIVE INSULIN IN CHILDREN WITH DIABETIC SIBLINGS AND DIABETIC MOTHERS (AUTHORS TRANSL)] Waldhausl W, Rosenkranz A, Dudeczak R *Z Kinderheilkd* 120: 59-68, 1 Jul 75 (Ger)

ADOLESCENCE; ANTIGENS; BLOOD SUGAR; BODY WEIGHT; CHILD; CHILD, PRESCHOOL; DIABETES MELLITUS, JUVENILE (familial & genetic); ENGLISH ABSTRACT; HUMAN; INSULIN (secretion); PREDNISOLONE (diagnostic use); RADIOIMMUNOASSAY.

Waldvogel M

NONSUPPRESSIBLE INSULIN-LIKE ACTIVITY: BIOLOGICAL ACTIVITY AND RECEPTOR BINDING. Zapf J, Mader M, Waldvogel M, Froesch ER *Isr J Med Sci* 11: 664-78, Jul 75 (Eng)

Wallach DFH

EVIDENCE FOR CONSTRAINED LIPID MOBILITY IN THE ERYTHROCYTE GHOST. A SPIN LABEL STUDY. Verma SP, Wallach DFH *Biochim Biophys Acta* 382: 73-82, 28 Feb 75 (Eng)

Walsh C

COUPLING OF ALANINE AMINOTRANSFERASE AND D-ALANINE DEHYDROGENASE TO ACTIVE TRANSPORT OF AMINO ACIDS IN *ESCHERICHIA COLI* B MEMBRANE VESICLES. Kaczorowski G, Shaw L, Fentes M, Walsh C *J Biol Chem* 250: 2855-65, 25 Apr 75 (Eng)

Walson P

NEW USES FOR PHENYTOIN. Walson P, Trinca C, Bressler R *JAMA* 233: 1385-9, 29 Sep 75 (Eng)

ARRHYTHMIA (drug therapy, chemically induced); DIABETIC NEUROPATHIES (drug therapy); DIGITALIS GLYCOSIDES (adverse effects); DIPHENYLHYDANTOIN (therapeutic use); DRUG EVALUATION; EPILEPSY (drug therapy); GASTROINTESTINAL DISEASES (drug therapy); GLAUCOMA (drug therapy); GLYCOGENOSIS (drug therapy); HUMAN; MENTAL DISORDERS (drug therapy); PAIN (drug therapy); TRIGEMINAL NEURALGIA (drug therapy); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Walter RM

ARGININE-STIMULATED ACUTE PHASE OF INSULIN AND GLUCAGON SECRETION. I. IN NORMAL MAN. Palmer JP, Walter RM, Ensinck JW *Diabetes* 24: 735-40, Aug 75 (Eng)

Walton B

EFFECT OF PHENFORMIN ON GLUCONEOGENESIS FROM LACTATE AND INTRACELLULAR PH IN THE ISOLATED PERFUSED GUINEA PIG LIVER. Lloyd MH, Iles RA, Walton B, Hamilton CA, Cohen RD *Diabetes* 24: 618-24, Jul 75 (Eng)

Wantuch C

THE INFLUENCE OF SEROTONIN ON INSULIN-STIMULATED GASTRIC SECRETION,

Diabetes Literature—Author Index

BLOOD GLUCOSE AND SERUM ELECTROLYTE LEVELS IN THE UNANESTHETIZED RAT. Hano J, Bugajski J, Danek L, Wantuch C *Arch Int Pharmacodyn Ther* 216: 28-39, Jul 75 (Eng)

Ward FR

THE INHIBITORY EFFECT OF SOMATOSTATIN ON GROWTH HORMONE, INSULIN AND GLUCAGON SECRETION IN DIABETES MELLITUS. Ward FR, Leblanc H, Yen SS *J Clin Endocrinol Metab* 41: 527-32, Sep 75 (Eng)

DEPRESSION, CHEMICAL; DIABETES MELLITUS (blood); GLUCAGON (blood); HUMAN; INSULIN (blood); SOMATOTROPIN RELEASE INHIBITING HORMONE (pharmacodynamics); SOMATOTROPIN (blood).

Warrick M

ACTION OF GLUCAGON AND ATROPINE ON MUCOSAL BLOOD FLOW OF RESITING FUNDIC POUCHES OF DOGS. Warrick M, Lin TM *Life Sci* 17: 333-8, 1 Aug 75 (Eng)

AMINOPYRINE (blood); ANIMAL; ATROPINE (pharmacodynamics); DENERVATION; DEPRESSION, CHEMICAL; DOGS; FEMALE; GASTRIC JUICE (secretion); GASTRIC MUCOSA (blood supply); GLUCAGON (pharmacodynamics); REGIONAL BLOOD FLOW (drug effects); TIME FACTORS; VAGUS NERVE.

Washington VA

COMPOSITION OF DIETS CONTAINING 25 AND 35 PER CENT CALORIES FROM FAT. ANALYZED VS. CALCULATED VALUES. Marshall MW, Iacono JM, Young CW Jr, Washington VA, Slover HT, Leapley PM *J Am Diet Assoc* 66: 470-81, May 75 (Eng)

Wasilewska-Dziubinska E

LETTERS TO THE EDITOR: ARE FREE FATTY ACIDS ARRRHYTHMOGENIC EFFECTS ON CELLULAR CARDIAC ACTION POTENTIALS. Wasilewska-Dziubinska E *J Mol Cell Cardiol* 7: 153-4, Feb 75 (Eng)

ACTION POTENTIALS (drug effects); ANIMAL EXPERIMENTS; ARRRHYTHMIA (chemically induced); FATTY ACIDS, NONESTERIFIED (toxicity); GUINEA PIGS; HEART RATE (drug effects); HEART (physiopathology, drug effects); IN VITRO; PERFUSION.

Watrous J

EFFECTS OF SEA NETTLE TOXIN ON GLUCOSE TRANSPORT IN HAMSTER INTESTINE. Watrous J, Dubyak G, Sawula B *Toxicol* 12: 657-8, Dec 74 (Eng)

ANIMAL EXPERIMENTS; COELENTERATA (physiology); DEPRESSION, CHEMICAL; GLUCOSE (metabolism); HAMSTERS; IN VITRO; INTESTINES (metabolism, drug effects); TOXINS (pharmacodynamics).

Wear RF Jr

AN ATHEROSCLEROSIS PREVENTION PROGRAM. EVALUATION OF THE FIRST SIX YEARS. Wear RF Jr, Cox ME, Lento HG *J Occup Med* 17: 295-303, May 75 (Eng)

ADULT; ARTERIOSCLEROSIS (prevention & control); ATHEROSCLEROSIS (prevention & control, diagnosis); CHYLOMICRONS (blood); DEMOGRAPHY; DIABETES MELLITUS (familial & genetic); EVALUATION STUDIES; FEMALE; FOOD-PROCESSING INDUSTRY; HUMAN; HYPERLIPIDEMIA (blood, diet therapy, classification); HYPERTENSION (diagnosis, therapy); LIPOPROTEINS, HDL (blood); LIPOPROTEINS, LDL (blood); LIPOPROTEINS, VLDL (blood); MALE; MEDICAL HISTORY TAKING; MIDDLE AGE; MYOCARDIAL INFARCT (familial & genetic); OCCUPATIONAL HEALTH SERVICES; RISK; SMOKING (occurrence); UNITED STATES.

Webb C

CELLULAR IMMUNE RESPONSE TO PERIPHERAL NERVE BASIC PROTEIN IN IDIOPATHIC FACIAL PARALYSIS (BELLS PALSY). Abramsky O, Webb C, Teitelbaum D, Arnon R *J Neurol Sci* 26: 13-20, Sep 75 (Eng)

Webb P

SLEEP METABOLISM AND AGE. Webb P, Hiestand M *J Appl Physiol* 38: 257-62, Feb 75 (Eng)

ADULT; AGING; BODY TEMPERATURE; ELECTROENCEPHALOGRAPHY; ELECTROMYOGRAPHY; ELECTROOCULOGRAPHY; HUMAN; MALE; MIDDLE AGE; OXYGEN CONSUMPTION; SLEEP STAGES; SLEEP; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Webster AJ

PROCEEDINGS: BLOOD FLOW AND FREE AMINO NITROGEN (FAN) CONCENTRATION IN THE PORTAL VEIN OF THE PIG. Farrell DJ, Jones AS, Webster AJ, White F *Proc Nutr Soc* 33: 32a-33a, Sep 74 (Eng)

Wehner H

[ETIOLOGY OF DIABETIC MICROANGIOPATHY] Wehner H *Hippokrat* 45: 508-10, Nov 74 (Ger)

ANIMAL; BASEMENT MEMBRANE (metabolism); CAPILLARIES (physiopathology); CARBOHYDRATES (metabolism); COMPARATIVE STUDY; DIABETIC ANGIOPATHIES (etiology); DOGS; FEMALE; HUMAN; MALE; MICE; MONKEYS; RABBITS; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Weinberg RS

HISTOPATHOLOGY AFTER VITRECTOMY WITH THE VITROPHAGE. Weinberg RS, Peyman GA, Apple DJ *Albrecht von Graefes Arch Klin Ophthalmol* 196: 133-42, 6 Aug 75 (Eng)

AGED; ANTERIOR CHAMBER (pathology); CORNEA (pathology); DIABETIC RETINOPATHY (surgery, complications, pathology); FEMALE; HEMORRHAGE (surgery); HUMAN; HYPERHEMIA (etiology); INTRAOCULAR PRESSURE; IRIS (pathology); IRRIGATION (methods); POSTOPERATIVE COMPLICATIONS; RETINA (pathology, innervation); SCLERA (surgery, pathology); UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.; VITREOUS BODY (surgery).

Weinstock M

COMBINED HYPERLIPOPROTEINEMIA. EVIDENCE FOR A NEW LIPOPROTEIN PHENOTYPE. Rose HG, Kranz P, Weinstock M, Juliano J, Haft JI *Atherosclerosis* 20: 51-64, Jul-Aug 74 (Eng)

Weisinger JR

INSULIN AND GLUCOSE METABOLISM IN RENAL INSUFFICIENCY. Reaven GM, Weisinger JR, Swenson RS *Kidney Int [Suppl]* 63-9, Oct 74 (Eng) [39]

Weitz R

[EDITORIAL: CHILDREN OF DIABETIC MOTHERS] Weitz R, Larson Z *Harefuah* 88: 584-5, 15 Jun 75 (Heb)

FEMALE; HUMAN; INFANT, NEWBORN; PREGNANCY IN DIABETES; PREGNANCY.

Weitzel G

STRUCTURE AND ACTIVITY OF INSULIN, XIII. SPECIFICITY OF THE ARGININE-GUANIDINO GROUP IN BIOLOGICALLY ACTIVE TETRAPEPTIDES OF THE INSULIN SEQUENCE B 22-25 (ARG-GLY-PHE-PHE). Weitzel G, Eisele K, Stock W *Hoppe Seylers Z Physiol Chem* 356: 583-90, May 75 (Eng)

ADIPOSE TISSUE (metabolism); AMINO ACID SEQUENCE; ANIMAL; ARGININE (pharmacodynamics); DIAPHRAGM (metabolism); GLUCOSE (metabolism); GLYCOGEN (metabolism); GUANIDINES (pharmacodynamics); IN VITRO; INSULIN (pharmacodynamics); OLIGOPEPTIDES (pharmacodynamics, chemical synthesis); OXIDATION-REDUCTION; RATS; STRUCTURE-ACTIVITY RELATIONSHIP.

Weizel A

[THE ACTION OF BETA-SITOSTEROL ON THE METABOLISM OF CHOLESTEROL (AUTHORS TRANSL)] Weizel A *Med Klin* 70: 242-6, 7 Feb 75 (Ger)
ADMINISTRATION, ORAL; ANIMAL EXPERIMENTS; BLOOD PROTEIN DISORDERS (drug therapy); CHEMISTRY; CHOLESTEROL (metabolism); CHOLESTEROL, DIETARY (metabolism); ENGLISH ABSTRACT; HUMAN; INJECTIONS, INTRAVENOUS; INTESTINAL ABSORPTION; INTESTINAL MUCOSA (metabolism); LIPOPROTEINS (blood); MALE; MIDDLE AGE; RATS; SITOSTEROLS (pharmacodynamics, metabolism, adverse effects).

Weldon VV

RADIORECEPTOR-INACTIVE GROWTH HORMONE ASSOCIATED WITH STIMULATED SECRETION IN NORMAL SUBJECTS. Sneed DS, Jacobs LS, Weldon VV, Trivedi BL, Daughaday HJ *Clin Endocrinol Metab* 41: 471-4, Sep 75 (Eng)

Welin J

[ACQUIRED ULCERO-MUTILATING ACROPATHIES IN ADULTS. CRITICAL STUDY OF 150 PERSONAL CASES] Barriere H, Litoux P, Bureau B, Guichenec P, Welin J *Sem Hop Paris* 51: 595-9, 20 Feb 75 (Fre)

Welshman IR

METABOLISM OF GLUCOSE AND FATTY ACID BY LEUKOCYTES FROM PATIENTS WITH ENDOGENOUS HYPERTRIGLYCERIDEMIA. Burns CP, Welshman IR, Spector AA *J Lab Clin Med* 85: 598-609, Apr 75 (Eng)

Wenke M

ADRENERGIC LIPOLYSIS IN HUMAN ADIPOSE TISSUE IN VITRO. Wenkeova J, Kuhn E, Wenke M *Eur J Pharmacol* 30: 49-55, Jan 75 (Eng)

Wenkeova J

ADRENERGIC LIPOLYSIS IN HUMAN ADIPOSE TISSUE IN VITRO. Wenkeova J, Kuhn E, Wenke M *Eur J Pharmacol* 30: 49-55, Jan 75 (Eng)

ADIPOSE TISSUE (metabolism); ADOLESCENCE; ADRENERGIC ALPHA RECEPTOR AGONISTS (pharmacodynamics); ADRENERGIC ALPHA RECEPTOR BLOCKADERS (pharmacodynamics); CHILD; DOSE-RESPONSE RELATIONSHIP, DRUG; DRUG SYNERGISM; EPIDIDYMS (metabolism); EPINEPHRINE (pharmacodynamics); FATTY ACIDS, NONESTERIFIED (metabolism); FEMALE; GLYCERIN (metabolism); HUMAN; IN VITRO; ISOPROTERENOL (pharmacodynamics); LIPIDS (metabolism); MALE; NOREPINEPHRINE (pharmacodynamics); NORSYNEPHRINE (analogs & derivatives, pharmacodynamics); OMENTUM (metabolism); PHENOXYBENZAMINE (pharmacodynamics); PHENTOLAMINE (pharmacodynamics); PHENYLEPHRINE (pharmacodynamics); THEOPHYLLINE (pharmacodynamics).

Werk EE

PLASMA RENIN ACTIVITY IN JUVENILE DIABETES MELLITUS AND EFFECT OF

DIAZOXIDE. Gossain VV, Werk EE, Sholiton LJ, Srivastava L, Knowles HC Jr *Diabetes* 24: 833-5, Sep 75 (Eng)

Werklo L

RISK FACTORS FOR MYOCARDIAL INFARCTION AND DEATH DUE TO ISCHEMIC HEART DISEASE AND OTHER CAUSES. Tibblin G, Wilhelmsen L, Werklo L *Am J Cardiol* 35: 514-22, Apr 75 (Eng)

Wernitz D

CONDITIONALLY LETHAL MUTATIONS IN CHINESE HAMSTER CELLS. CHARACTERIZATION OF A CELL LINE WITH A POSSIBLE DEFECT IN THE KREBS CYCLE. DeFrancesco L, Wernitz D, Scheffler IE *J Cell Physiol* 85: 293-305, Apr 75 (Eng)

West KM

SUBSTANTIAL DIFFERENCES IN THE DIAGNOSTIC CRITERIA USED BY DIABETES EXPERTS. West KM *Diabetes* 24: 641-4, Jul 75 (Eng)
ADULT; AGE FACTORS; AGED; BLOOD SUGAR (metabolism); DIABETES MELLITUS (diagnosis); EVALUATION STUDIES; FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; MIDDLE AGE.

Westerloh K

[APPARENT INSULIN INCOMPATIBILITY IN A CASE OF ARTHUS PHENOMENON CAUSED BY SURFEN] Forck G, Wilhelm E, Baumeister G, Westerloh K *Med Welt* 26: 664-9, 4 Apr 75 (Ger)

Westervelt FB Jr

GLUCOSE INTOLERANCE IN THE HEMODIALYZED PATIENT: A BRIEF OVERVIEW. Westervelt FB Jr *Kidney Int [Suppl]* 70-2, Oct 74 (Eng) [19]

ANTIGENS (analysis); BLOOD SUGAR (metabolism); DIABETES MELLITUS (diagnosis); DIABETIC NEPHROPATHIES (therapy); DIAGNOSIS, DIFFERENTIAL; GLUCOSE TOLERANCE TEST; GLUCOSE (metabolism); HALF-LIFE; HEMODIALYSIS; HUMAN; HYPERPARATHYROIDISM (metabolism); INSULIN (metabolism); REVIEW; UREMIA (complications, diagnosis).

Wheeler L

AGE-ADJUSTED ANALYSIS OF INSULIN RESPONSES DURING NORMAL AND ABNORMAL GLUCOSE TOLERANCE TESTS IN CHILDREN AND ADOLESCENTS. Rosenbloom AL, Wheeler L, Bianchi R, Chin FT, Tiwary CM, Grgic A *Diabetes* 24: 820-8, Sep 75 (Eng)

White F

PROCEEDINGS: BLOOD FLOW AND FREE AMINO NITROGEN (FAN) CONCENTRATION IN THE PORTAL VEIN OF THE PIG. Farrell DJ, Jones AS, Webster AJ, White F *Proc Nutr Soc* 33: 32a-33a, Sep 74 (Eng)

White P

PLASMA LIPID LEVELS IN DIABETIC CHILDREN. EFFECT OF DIET RESTRICTED IN CHOLESTEROL AND SATURATED FATS. Kaufmann RL, Assal JPH, Soeldner JS, Wilmschurst EG, Lemaire JR, Gleason RE, White P *Diabetes* 24: 672-9, Jul 75 (Eng)

Wicklmayr M

[METABOLISM OF THE SPLANCHNIC REGION AS INFLUENCED BY FRUCTOSE] Dietze G, Wicklmayr M, Hepp KD, Grunst J, Stiegler G, Mehnert H *Infusionstherapie* 1: 525-5, Oct 74 (Ger)

[THE METABOLISM OF THE SPLANCHNIC REGION UNDER THE INFLUENCE OF FRUCTOSE] Dietze G, Wicklmayr M, Hepp KD,

Grunst J, Stiegler G, Mehnert H *Infusionstherapie* 1: 552-5, Oct 74 (Ger)

Wiebe HR

HYPOTHALAMIC AND PITUITARY FUNCTION IN HYPOGONADOTROPIC HYPOGONADISM. Paulson DF, Wiebe HR, Hammond CB *Urology* 6: 333-6, Sep 75 (Eng)

Wieslander A

ELECTRON DIFFRACTION STUDIES OF BIOLOGICAL MEMBRANES AND LIPIDS. Carllemalm E, Wieslander A *Nature* 254: 537-8, 10 Apr 75 (Eng)

Wijdeveld P

[DIAZOXIDE: NEW WAY IN TREATMENT OF HYPERTENSION] Wijdeveld P, Koene R *Ned Tijdschr Geneesk* 119: 421-30, 15 Mar 75 (Dut)
ADULT; CHLORTHALIDONE (therapeutic use); DIAZOXIDE (therapeutic use); DIET, SALT-FREE; FEMALE; HUMAN; HYDRALAZINE (therapeutic use); HYPERTENSION (drug therapy); MALE; METHYLDOPA (therapeutic use); MIDDLE AGE; PROPRANOLOL (therapeutic use); TOLBUTAMIDE (therapeutic use); WATER-ELECTROLYTE BALANCE.

Wild AE

PROTEIN TRANSPORT ACROSS THE PLACENTA. Wild AE *Symp Soc Exp Biol* 521-46, 1974 (Eng) [66]

ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT; CATTLE; FEMALE; GAMMA GLOBULINS (metabolism); HUMAN; LYOSOMES (metabolism); MICROSCOPY, ELECTRON; MODELS, BIOLOGICAL; MOLECULAR WEIGHT; PLACENTA (metabolism); PREGNANCY; PROTEINS (metabolism); RABBITS; REVIEW; UTERUS (metabolism); VITELLINE MEMBRANE (metabolism, ultrastructure).

Wilhelm E

[APPARENT INSULIN INCOMPATIBILITY IN A CASE OF ARTHUS PHENOMENON CAUSED BY SURFEN] Forck G, Wilhelm E, Baumeister G, Westerloh K *Med Welt* 26: 664-9, 4 Apr 75 (Ger)

Wilhelmi AE

ISOLATION AND BIOLOGICAL CHARACTERIZATION OF FRAGMENTS OF HUMAN GROWTH HORMONE PRODUCED BY DIGESTION WITH PLASMIN. Reagan CR, Mills JB, Kostyo JL, Wilhelmi AE *Endocrinology* 96: 625-36, Mar 75 (Eng)

Wilhelmsen L

RISK FACTORS FOR MYOCARDIAL INFARCTION AND DEATH DUE TO ISCHEMIC HEART DISEASE AND OTHER CAUSES. Tibblin G, Wilhelmsen L, Werklo L *Am J Cardiol* 35: 514-22, Apr 75 (Eng)

Wilke B

[ISOLATION AND PROPERTIES OF AN INSULIN-LIKE PEPTIDE FROM A HIGH MOLECULAR A-COMPONENT OF COMMERCIAL BOVINE INSULIN] Zuhlke H, Kohner KD, Wilke B, Schmidt S *Acta Biol Med Ger* 33: 399-406, 1974 (Ger)

CATABOLISM OF PROINSULIN AND INSULIN. PROTEOLYTIC ACTIVITIES IN LANGERHANS ISLETS OF RAT AND MICE PANCREAS IN VITRO. Zuhlke H, Jahr H, Schmidt S, Gottschling D, Wilke B, Kansy H, Kaleta C, Pieper I *Acta Biol Med Ger* 33: 407-18, 1974 (Eng)

Williams DR

A RELATIONSHIP BETWEEN SKINFOLD THICKNESS AND SERUM TRIGLYCERIDE CONCENTRATION. Williams DR *Guys Hosp Rep* 122: 331-3, 1973 (Eng)

Williams JW

ADULT; ARM; FASTING; FEMALE; HIP; HUMAN; MALE; SEX FACTORS; SHOULDER; SKINFOLD THICKNESS; TRIGLYCERIDES (blood).

Williams JW

EFFECT OF ETHANOL AND ACETALDEHYDE ON THE (NA⁺ & K⁺)-ACTIVATED ADENOSINE TRIPHOSPHATASE ACTIVITY OF CARDIAC PLASMA MEMBRANES. Williams JW, Tada M, Katz AM, Rubin E *Biochem Pharmacol* 24: 27-32, 1 Jan 75 (Eng)
ACETALDEHYDE (pharmacodynamics); ADENOSINE TRIPHOSPHATASE (antagonists & inhibitors); ALCOHOL, ETHYL (pharmacodynamics); ANIMAL EXPERIMENTS; CELL MEMBRANE (enzymology); DOSE-RESPONSE RELATIONSHIP; DRUG; GUINEA PIGS; MYOCARDIUM (cytology); OSMOLAR CONCENTRATION; POTASSIUM; SODIUM; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

Williams PF

TYPE V HYPERLIPOPROTEINAEMIA RE-VESTED: FINDINGS IN A SYDNEY POPULATION. Simons LA, Williams PF, Turtle JR *Aust NZ J Med* 5: 210-9, Jun 75 (Eng)

Williams PR

THE EFFECT OF ORAL ALANINE ON BLOOD GLUCOSE AND GLUCAGON IN THE HUMAN NEWBORN INFANT. Fiser RH, Williams PR, Fisher DA, DeLameter PV, Sperling MA, Oh W *Pediatrics* 56: 78-81, Jul 75 (Eng)

Wilmschurst EG

PLASMA LIPID LEVELS IN DIABETIC CHILDREN. EFFECT OF DIET RESTRICTED IN CHOLESTEROL AND SATURATED FATS. Kaufmann RL, Assal JPh, Soeldner JS, Wilmschurst EG, Lemaire JR, Gleason RE, White P *Diabetes* 24: 672-9, Jul 75 (Eng)

Wilson DB

SOURCE OF ENERGY FOR THE ESCHERICHIA COLI GALACTOSE TRANSPORT SYSTEMS INDUCED BY GALACTOSE. Wilson DB *J Bacteriol* 120: 866-71, Nov 74 (Eng)
ADENOSINE TRIPHOSPHATASE (metabolism); ADENOSINE TRIPHOSPHATE (metabolism); ARSENATES (pharmacodynamics); BACTERIAL PROTEINS (metabolism); BIOLOGICAL TRANSPORT, ACTIVE; CARBON RADIOISOTOPES; ENERGY TRANSFER; ESCHERICHIA COLI (metabolism, enzymology); FRUCTOSE (metabolism); GALACTOSE (metabolism); MUTATION; OXIDATIVE PHOSPHORYLATION (drug effects); PROTEIN BINDING (drug effects).

Wilson RE

NEUROPATHY IN TRANSPLANTED DIABETIC PATIENTS. Wilson RE, Goldman MH, Yen MC, Kassissieh SD, Strom T, Kahn CB *Kidney Int [Suppl]* 90-4, Oct 74 (Eng)
ADULT; DIABETES MELLITUS, JUVENILE (prevention & control); DIABETIC ANGIOPATHIES (complications); DIABETIC NEPHROPATHIES (surgery, complications); DIABETIC NEUROPATHIES (complications); DIABETIC RETINOPATHY (complications); FEMALE; HUMAN; IMMUNOSUPPRESSION; INSULIN (administration & dosage, therapeutic use); KIDNEY (transplantation); MALE; MIDDLE AGE; TISSUE DONORS; TRANSPLANTATION, HOMOLOGOUS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

Wisser H

[RESULTS OF A STUDY ON THE CIRCADIAN RHYTHM OF CATECHOLAMINE EXCRETION ON NORMAL SUBJECTS AND THOSE WITH HIGH EXCRETION LEVELS

Diabetes Literature—Author Index

[AUTHORS TRANSL.] Wisser H, Knoll E *Clin Chim Acta* 59: 1-7, 22 Feb 75 (Ger)

ADULT; CATECHOLAMINES (urine); CIRCADIAN RHYTHM; COMPARATIVE STUDY; DOPAMINE (urine); ENGLISH ABSTRACT; EPINEPHRINE (urine); HUMAN; HOMOVANILIC ACID (urine); HUMAN; MALE; MIDDLE AGE; NOREPINEPHRINE (urine); PHEOCHROMOCYTOMA (urine); TIME FACTORS; VANILMANDELIC ACID (urine).

Wojtowicz H

[CASE OF CHRONIC BRUCELLOSIS ASSOCIATED WITH DIABETES AND ARTERIAL HYPERTENSION] Wojtowicz H *Wiad Lek* 28: 15 Aug 75 (Pol)
BRUCELLOSIS (complications); CASE REPORT; CHRONIC DISEASE; DIABETES MELLITUS (complications); ENGLISH ABSTRACT; HUMAN; HYPERTENSION (complications); MALE; MIDDLE AGE.

Wolf RO

PHARYNGEAL LIPASE AND DIGESTION OF DIETARY TRIGLYCERIDE IN MAN. Hamosh M, Klaeveman HL, Wolf RO, Scow RO *J Clin Invest* 55: 908-13, May 75 (Eng)

Wolfe RG

MALATE DEHYDROGENASE, CIRCULAR DICHROISM DIFFERENCE SPECTRA OF PORCINE HEART MITOCHONDRIAL AND SUPERNATANT ENZYMES, BINARY ENZYME-COENZYME, AND TERNARY ENZYME-COENZYME-SUBSTRATE ANALOG COMPLEXES. Eberhardt NL, Wolfe RG *J Biol Chem* 250: 2987-92, 23 Apr 75 (Eng)

Wolfram G

[LIPOATROPHIC DIABETES. REPORT OF A CASE (AUTHORS TRANSL.)] Zollner N, Dorfner H, Wolfram G *Munch Med Wochenschr* 117: 1209-14, 18 Jul 75 (Ger)

Wolinsky H

ARTERIAL LYOSOMES AND CONNECTIVE TISSUE IN PRIMATE ATHEROSCLEROSIS AND HYPERTENSION. Wolinsky H, Goldfischer S, Daly MM, Kasak LE, Colloff-Schiller B *Circ Res* 36: 553-61, Apr 75 (Eng)
ACID PHOSPHATASE (analysis); ANIMAL EXPERIMENTS; AORTA, ABDOMINAL (ultrastructure, enzymology); AORTA, THORACIC (ultrastructure, enzymology); ARTERIES (pathology); ARTERIOSCLEROSIS (pathology); ATHEROSCLEROSIS (pathology, blood); BLOOD VESSELS (ultrastructure, enzymology); CHOLESTEROL (blood); CONNECTIVE TISSUE (pathology, blood supply); CORONARY VESSELS (ultrastructure, enzymology); DIET, ATHEROGENIC; DNA (analysis); FEMALE; GLUCOSAMINIDASE (analysis); HYPERTENSION (pathology); LUNG (blood supply); LYOSOMES (ultrastructure, enzymology); RHESUS MONKEYS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

Woltermann GM

MECHANISMS FOR ELECTRON TRANSFER ASSISTED PHOSPHORYLATION, AND ATP HYDROLYSIS. Haight GP, Scott RA, Woltermann GM *Physiol Chem Phys* 6: 375-8, 1974 (Eng)

Wong AK

TIME SERIES ANALYSIS OF HORMONAL PATTERNS IN HUMAN PLASMA. Vagnucci AH, Wong AK, Liu TS *Comput Biomed Res* 7: 513-32, Dec 74 (Eng)

Wood SP

IS THE EVOLUTION OF INSULIN DARWINIAN OR DUE TO SELECTIVELY NEUTRAL MUTATION Blundell TL, Wood SP *Nature* 257: 197-203, 18 Sep 75 (Eng)

Woods JE

METABOLIC PROBLEMS IN DIABETIC PATIENTS UNDERGOING RENAL TRANSPLANTATION. Palumbo PJ, Woods JE, Johnson WJ, Service FJ *Kidney Int [Suppl]* 58-62, Oct 74 (Eng)

Woodward DO

EFFECTS OF RIBONUCLEASE A ON AMINO ACID TRANSPORT IN NEUROSPORA CRASSA. Stuart WD, Woodward DO *J Bacteriol* 122: 41-6, Apr 75 (Eng)

Wright BE

AN ANALYSIS OF THE KINETIC POSITIONS HELD BY FIVE ENZYMES OF CARBOHYDRATE METABOLISM IN DICTYOSTELUM DISCOIDEUM. Wright BE, Park DJ *J Biol Chem* 250: 2219-26, 25 Mar 75 (Eng)
CELLULOSE (metabolism); GLUCOSEPHOSPHATES; GLUCOSYLTRANSFERASES (metabolism); GLYCOGEN PHOSPHORYLASE (metabolism); GLYCOGEN SYNTHETASE (metabolism); GLYCOGEN (metabolism); KINETICS; MODELS, CHEMICAL; MYXOMYCETES (enzymology); NUCLEOTIDYLTRANSFERASES (metabolism); TREHALOSE (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; URIDINE DIPHOSPHATE SUGARS.

Wright EM

PROCEEDINGS: ANOMALOUS PERMEATION OF SMALL LIPOPHILIC SOLUTES ACROSS TOAD URINARY BLADDER. Bindsløv N, Wright EM *J Physiol (Lond)* 242: 120P-121P, Oct 74 (Eng)

Wu KT

DEPRESSED ENDOGENOUS FIBRINOLYTIC ACTIVITY IN ESSENTIAL HYPERTENSION. Tsapogas MJ, Peabody RA, Wu KT, Devaraj KT, Eckert C *J Cardiovasc Surg (Torino)* 15: 651-4, Nov-Dec 74 (Eng)

Wurtman RJ

THE EFFECTS OF LIGHT ON MAN AND OTHER MAMMALS. Wurtman RJ *Annu Rev Physiol* 37: 467-83, 1975 (Eng) [62]
ANIMAL EXPERIMENTS; BILIRUBIN (blood); BIOLOGICAL CLOCKS; BIRDS; CALCIUM (metabolism); CARCINOMA, EPIDERMOID (etiology); ENVIRONMENT; GONADS (physiology); HUMAN; LIGHT; MELATONIN (biosynthesis); OVULATION; PHOTOCHEMISTRY; PHOTOLYSIS; PHOTORECEPTORS (physiology); PINEAL BODY (physiology); RETINA (physiology); REVIEW; SKIN NEOPLASMS (etiology); SKIN PIGMENTATION; SKIN (physiology, metabolism); SLEEP; SUNBURN (etiology); SUNLIGHT; ULTRAVIOLET RAYS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; VITAMIN D (biosynthesis).

Yamada R

[PROCEEDINGS: CATECHOLAMINE POOL AND METABOLISM IN MICROSOME FRACTIONS] Yamada R, Yoshitoshi K *Folia Endocrinol Jpn* 50: 634, 20 Feb 74 (Jpn)
ADRENAL GLANDS (ultrastructure); ANIMAL EXPERIMENTS; CATECHOLAMINES (metabolism); MALE; MICROSOMES (metabolism); RATS.

Yamada T

[PROCEEDINGS: GLUCOSE AND 2-KETOGLUTARATE OXIDATION IN THE HYPOTHALAMUS AND THE ANTERIOR PITUITARY LOBE] Sato A, Onaya T, Yamada T *Folia Endocrinol Jpn* 50: 259, 20 Feb 74 (Jpn)
[PROCEEDINGS: EFFECT OF ACTIVATED AMINES ON CYCLIC GMP LEVELS OF THE CEREBRAL CORTEX, HYPOTHALAMUS

Diabetes Literature—Author Index

Yue DK

AND ANTERIOR PITUITARY GLAND] Sato A, Onaya T, Yamada T *Folia Endocrinol Jpn* 50: 476, 20 Feb 74 (Jpn)

Yamagata S

GLUCAGON RESPONSE TO ARGININE AFTER TREATMENT OF DIABETES MELLITUS. Ohneda A, Ishii S, Horigome K, Yamagata S *Diabetes* 24: 811-9, Sep 75 (Eng)

Yamaguchi N

[PROCEEDINGS: ONE NIGHT SLEEP DEPRIVATION IN DEPRESSION AND CIRCADIAN RHYTHM IN BLOOD CORTISOL LEVEL] Yamaguchi N, Maeda K, Yoshimoto N, Sakamoto N, Miyazaki R *Folia Endocrinol Jpn* 50: 333, 20 Feb 74 (Jpn)

CIRCADIAN RHYTHM; DEPRESSION (therapy, blood); HUMAN; HYDROCORTISONE (blood); SLEEP DEPRIVATION.

[PROCEEDINGS: EFFECT OF TRH ON PITUITARY HORMONE, ESPECIALLY GROWTH HORMONE SECRETION, IN DEPRESSION] Maeda K, Yamaguchi N, Kato Y, Chihara K, Taigo K *Folia Endocrinol Jpn* 50: 267, 20 Feb 74 (Jpn)

Yamamoto A

[PROCEEDINGS: HYPOTHALAMIC OBESITY IN MAN] Ishikawa K, Yamamoto A, Nishikawa M *Folia Endocrinol Jpn* 50: 648, 20 Feb 74 (Jpn)

Yamamoto G

STUDIES ON FERROUS ION-INDUCED LIPID PEROXIDATION OF RAT LIVER MITOCHONDRIA. I. EFFECT OF INORGANIC PHOSPHATE. Yamamoto G, Tanabe M, Wakabayashi H, Hasimoto G, Yamamoto M *Acta Med Okayama* 28: 299-310, Oct 74 (Eng)

ANIMAL EXPERIMENTS; ASCORBIC ACID (pharmacodynamics); EDTA (pharmacodynamics); FERROUS COMPOUNDS (pharmacodynamics); HEAT; IN VITRO; IRON (pharmacodynamics); MALONDIALDEHYDE (biosynthesis); MITOCHONDRIA, LIVER (drug effects, metabolism); OXYGEN CONSUMPTION (drug effects); PEROXIDES (metabolism); PHOSPHATES (pharmacodynamics); PHOSPHATES, INORGANIC (pharmacodynamics); RATS.

Yamamoto K

[PROCEEDINGS: EFFECTS OF GLUCOSE AND ARGinine ON SYNTHESIS AND SECRETION OF PITUITARY GROWTH HORMONE AND PROLACTIN IN RATS] Kasai K, Ieiri S, Yamamoto K *Folia Endocrinol Jpn* 50: 285, 20 Feb 74 (Jpn)

Yamamoto M

STUDIES ON FERROUS ION-INDUCED LIPID PEROXIDATION OF RAT LIVER MITOCHONDRIA. I. EFFECT OF INORGANIC PHOSPHATE. Yamamoto G, Tanabe M, Wakabayashi H, Hasimoto G, Yamamoto M *Acta Med Okayama* 28: 299-310, Oct 74 (Eng)

[PROCEEDINGS: DIENCEPHALON-PITUITARY-ADRENAL SYSTEM AND CYCLIC AMP] Makino E, Matsushima Y, Masaka M, Yamamoto M, Kumagai A *Folia Endocrinol Jpn* 50: 469, 20 Feb 74 (Jpn)

Yamasaki N

STUDIES ON THE COMMON ACTIVE SITE OF GROWTH HORMONE. REVISION OF THE AMINO ACID SEQUENCE OF AN ACTIVE FRAGMENT OF BOVINE GROWTH HORMONE. Yamasaki N, Shimanaka J, Sonenberg M *J Biol Chem* 250: 2510-14, 10 Apr 75 (Eng)

AMINO ACID SEQUENCE; AMINO ACIDS (analysis); ANIMAL EXPERIMENTS; BINDING SITES; CATTLE; CHROMATOGRAPHY, ION EXCHANGE; CHYMOTRYPSIN; GONADOTROPINS, CHORIONIC; HUMAN; PEPTIDE FRAGMENTS (analysis); SHEEP;

SOMATOTROPIN; SPECIES SPECIFICITY; TRYPSIN; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Yamashita K

[PROCEEDINGS: SOMATOTROPIN-RELEASE INHIBITING FACTOR] Kaneko T, Oka H, Munemura M, Oda T, Yamashita K *Folia Endocrinol Jpn* 50: 270, 20 Feb 74 (Jpn)

Yamazaki M

[PROCEEDINGS: PRF ACTIVITY OF THE BOVINE HYPOTHALAMUS] Kokubu T, Shiraki M, Sawano S, Ishizuka Y, Yamazaki M *Folia Endocrinol Jpn* 50: 274, 20 Feb 74 (Jpn)

Yanez AP

[NON-FUNCTIONING ADRENOCORTICAL CARCINOMA AND FOCAL CHRONIC PYELONEPHRITIS] Yanez AP, Fernandez CJ, Mejias MM, Rojas MT, Velasco FT, Cortina de Luna JL *Rev Clin Exp* 137: 565-70, 30 Jun 75 (Spa)

ABORTION; ADRENAL GLAND NEOPLASMS (complications); ADULT; CARCINOMA (complications); CASE REPORT; CHRONIC DISEASE; FEMALE; GLUCAGON (diagnostic use); HUMAN; PHENTOLAMINE (diagnostic use); PREGNANCY COMPLICATIONS; PREGNANCY COMPLICATIONS, INFECTIOUS (diagnosis); PREGNANCY; PYELONEPHRITIS (diagnosis, complications).

Yanko L

COMPARATIVE STUDY OF THE PATHOLOGY OF SUCROSE-INDUCED DIABETES IN THE RAT AND ADULT-ONSET DIABETES IN MAN. Rosenmann E, Yanko L, Cohen AM *Isr J Med Sci* 11: 753-61, Jul 75 (Eng)

Yeh M

STUDIES ON GROWTH HORMONE SECRETION. VII. EFFECTS OF SOMATOSTATIN ON PLASMA GH, INSULIN, AND GLUCAGON IN SHEEP. Bryce D, Yeh M, Funderburk C, Todd H, Hertelendy F *Diabetes* 24: 842-50, Sep 75 (Eng)

Yen MC

HEMODIALYSIS-RELATED PROBLEMS IN PATIENTS WITH DIABETES MELLITUS. Kaissieh SD, Yen MC, Lazarus M, Lowrie EG, Goldstein HH, Takacs FJ, Hampers CL, Merrill JD *Kidney Int [Suppl]* 100-7, Oct 74 (Eng)

NEUROPATHY IN TRANSPLANTED DIABETIC PATIENTS. Wilson RE, Goldman MH, Yen MC, Kaissieh SD, Strom T, Kahn CB *Kidney Int [Suppl]* 90-4, Oct 74 (Eng)

Yen SS

THE INHIBITORY EFFECT OF SOMATOSTATIN ON GROWTH HORMONE, INSULIN AND GLUCAGON SECRETION IN DIABETES MELLITUS. Ward FR, Leblanc H, Yen SS *J Clin Endocrinol Metab* 41: 527-32, Sep 75 (Eng)

[PROCEEDINGS: SECRETION DYNAMICS OF HUMAN PROLACTIN] Ehara Y, Igarashi M, Yen SS *Folia Endocrinol Jpn* 50: 288, 20 Feb 74 (Jpn)

Yokoyama H

[PROCEEDINGS: HUMAN PROLACTIN SECRETION DYNAMICS IN VARIOUS ENDOCRINE DISEASES] Ogawa N, Miyoshi M, Hanabusa M, Yokoyama H, Furuno K *Folia Endocrinol Jpn* 50: 296, 20 Feb 74 (Jpn)

Yokoyama M

[PROCEEDINGS: RESPONSES OF PLASMA ACTH, GH, LH, FSH, TSH AND PROLACTIN IN CUSHINGS SYNDROME] Hashimoto K, Asaoka K, Mori M, Yokoyama M, Miyoshi M *Folia Endocrinol Jpn* 50: 537, 20 Feb 74 (Jpn)

Yoshida K

EFFECT OF GLUCOSE IN ISOPROTERENOL-INDUCED NECROTIC HEART UNDER ANOXIC PERFUSION. Tsuboi T, Osawa Y, Ishikawa K, Yoshida K, Shimizu M *Jpn J Pharmacol* 24: 803-8, Oct 74 (Eng)

Yoshida M

[PROCEEDINGS: ENERGY HOMEOSTASIS. 4. METABOLIC CHANGES AT EPINEPHRINE LOADING IN PATIENTS WITH INSULINOMA] Sakamoto N, Hotta A, Yoshida M, Sato S, Nagashima M *Folia Endocrinol Jpn* 50: 543, 20 Feb 74 (Jpn)

Yoshimi T

[PROCEEDINGS: ROLE OF ACTIVE AMINES IN GROWTH HORMONE SECRETION: WITH SPECIAL REFERENCE TO INTERACTION OF VARIOUS AMINES] Nakai Y, Kurahachi H, Minamino M, Yoshimi T, Fukase M *Folia Endocrinol Jpn* 50: 279, 20 Feb 74 (Jpn)

Yoshimoto N

[PROCEEDINGS: ONE NIGHT SLEEP DEPRIVATION IN DEPRESSION AND CIRCADIAN RHYTHM IN BLOOD CORTISOL LEVEL] Yamaguchi N, Maeda K, Yoshimoto N, Sakamoto N, Miyazaki R *Folia Endocrinol Jpn* 50: 333, 20 Feb 74 (Jpn)

Yoshimura Y

STUDY OF THE MECHANISM OF THYROID HORMONE SECRETION IN AN IN VITRO MODEL SYSTEM: INDIRECT EVIDENCE FOR FUSION OF LYSOSOMES WITH THYROGLOBULIN LIPOSOMES. Kawada 4, kadota T, Yoshimura Y, Kurata M *Endocrinology* 96: 1196-200, May 75 (Eng)

Yoshitosh K

[PROCEEDINGS: CATECHOLAMINE POOL AND METABOLISM IN MICRO SOME FRACTIONS] Yamada R, Yoshitosh K *Folia Endocrinol Jpn* 50: 634, 20 Feb 74 (Jpn)

Young CW Jr

COMPOSITION OF DIETS CONTAINING 25 AND 35 PER CENT CALORIES FROM FAT. ANALYZED VS. CALCULATED VALUES. Marshall MW, Iacono JM, Young CW Jr, Washington VA, Slover HT, Leapley PM *J Am Diet Assoc* 66: 470-81, May 75 (Eng)

Younosai MK

IN VIVO D-GLUCOSE ABSORPTION IN THE DEVELOPING RAT SMALL INTESTINE. Younosai MK, Lynch A *Pediatr Res* 9: 130-3, Mar 75 (Eng)

AGE FACTORS; ANIMAL EXPERIMENTS; ANIMALS, NEWBORN; BODY WEIGHT; COMPARATIVE STUDY; GLUCOSE (metabolism); ILEUM (metabolism); INTESTINAL ABSORPTION; INTESTINAL MUCOSA (metabolism); INTESTINE, SMALL (metabolism); JEJUNUM (metabolism); RATS.

Yu M

OPTIMAL STATISTICAL DESIGN OF RADIOIMMUNOASSAYS AND COMPETITIVE PROTEIN-BINDING ASSAYS. Chang PC, Rubin RT, Yu M *Endocrinology* 96: 973-81, Apr 75 (Eng)

Yue DK

ANTIGENICITY OF MONOCOMPONENT PORK INSULIN IN DIABETIC SUBJECTS. Yue DK, Turtle JR *Diabetes* 24: 625-32, Jul 75 (Eng)

ADOLESCENCE; ADRENAL CORTX HORMONES (therapeutic use); ADULT; ANTIGENS; DIABETES MELLITUS (drug therapy); FEMALE; HUMAN; IGG (biosynthesis); INSULIN ANTIBODIES (biosynthesis); INSULIN (immunology, therapeutic use); INSULIN, LENTE

Diabetes Literature—Author Index

Zacks SI

(therapeutic use); MALE; MIDDLE AGE; MOLECULAR WEIGHT; PROINSULIN (immunology); SWINE.

Zacks SI

MYOPATHIES RELATED TO DIABETES MELLITUS AND OTHER METABOLIC DISEASES.

Zacks SI Ann Clin Lab Sci 5: 248-51, Jul-Aug 75 (Eng)

BASEMENT MEMBRANE (pathology); DIABETES MELLITUS (complications); DIABETIC ANGIOPATHIES (pathology, etiology); DIABETIC NEUROPATHIES (diagnosis); DIAGNOSIS, DIFFERENTIAL; GLYCOGENOSIS 2 (pathology); GLYCOGENOSIS 3 (pathology); GLYCOGENOSIS 7 (pathology); HUMAN; METABOLIC DISEASES (complications); NEUROMUSCULAR DISEASES (etiology, diagnosis); NEUROMUSCULAR JUNCTION (pathology); PERIPHERAL NERVES (pathology).

Zahnd G

[A CLINICAL STUDY OF A NEW SULFONYLUREA HYPOGLYCEMIC AGENT: GLIPIZIDE (GLIBENESIDE) (AUTHORS TRANSL.)] Cochet B, Balant L, Rilliet B, Zahnd G *Praxis 64: 562-8, 6 May 75 (Fre)*

Zakut H

MATERNAL AND FETAL RESPONSE TO RAPID GLUCOSE LOADING IN PREGNANCY AND LABOR. Zakut H, Mashiah S, Blankstein J, Serr DM *Isr J Med Sci 11: 632-7, Jun 75 (Eng)*
BLOOD SUGAR (analysis); CHORION (metabolism); DIABETES MELLITUS, JUVENILE (metabolism); FEMALE; FETAL DISTRESS (metabolism); FETUS; GLUCOSE (metabolism, administration & dosage); HUMAN; INJECTIONS, INTRAVENOUS; LABOR, FIRST STAGE; MATERNAL-FETAL EXCHANGE; PREGNANCY IN DIABETES (metabolism); PREGNANCY.

Zapf J

NONSUPPRESSIBLE INSULIN-LIKE ACTIVITY: BIOLOGICAL ACTIVITY AND RECEPTOR BINDING. Zapf J, Mader M, Waldvogel M, Froesch ER *Isr J Med Sci 11: 664-78, Jul 75 (Eng)*

ADIPOSE TISSUE (metabolism, drug effects); ANIMAL; BINDING SITES; BINDING, COMPETITIVE; BLOOD PROTEINS (metabolism); CARTILAGE (drug effects); CHICK EMBRYO; COMPARATIVE STUDY; DOSE-RESPONSE RELATIONSHIP, DRUG; FIBROBLASTS (drug effects); GLUCOSE (metabolism); GROWTH (drug effects); HUMAN; IN VITRO; INSULIN (metabolism, pharmacodynamics); MUSCLES (drug effects); PROTEIN BINDING; RATS; RECEPTORS, HORMONE; STRUCTURE-ACTIVITY RELATIONSHIP.

Zbirkova A

EFFECTS OF DIET AND EXERCISE ON CATECHOLAMINE EXCRETION. Sonka J, Kopecka J, Pavlova A, Zbirkova A, Stas J *Horm Metab Res 6: 532, Nov 74 (Eng)*

Zemplyni T

INHERITED DEPRESSION OF ARTERIAL LIPOAMIDE DEHYDROGENASE ACTIVITY ASSOCIATED WITH SUSCEPTIBILITY TO ATHEROSCLEROSIS IN PIGEONS. Zemplyni T, Blankenhorn DH, Rosenstein AJ *Circ Res 36: 640-6, May 75 (Eng)*

ANIMAL EXPERIMENTS; ARTERIES (enzymology, metabolism); ARTERIOSCLEROSIS (enzymology); ATHEROSCLEROSIS (enzymology, familial & genetic, metabolism); DISEASE MODELS, ANIMAL; GLYCOLYSIS; KETOGLUTARATE DEHYDROGENASE COMPLEX (physiology); KREBS CYCLE; LACTATES (metabolism);

LIPOAMIDE DEHYDROGENASE (deficiency); METABOLISM, INBORN ERRORS (familial & genetic); PIGEONS; PYRUVATE DEHYDROGENASE COMPLEX (physiology); PYRUVATES (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Zervas NT

[PROCEEDINGS: EFFECT OF PITUITARY STALK SECTION ON GROWTH HORMONE AND CORTISOL SECRETION IN RHESUS MONKEY] Kuwayama A, Shintani A, Kageyama N, Zervas NT *Folia Endocrinol Jpn 50: 280, 20 Feb 74 (Jpn)*

Zhukovskii MA

PHYSIOTHERAPEUTIC METHODS OF TREATMENT OF DIABETES MELLITUS] Verigo LP, Tirkina TN, Zhukovskii MA *Sov Med 135-6, Jun 75 (Rus)*

Zilker T

[MECHANISM OF ACTION OF GLIQUIDONE (AUTHORS TRANSL.)] Zilker T, Ermeler R, Henderkott U, Bottermann P *Dtsch Med Wochenschr 100: 1733-4, 1739-41, 29 Aug 75 (Ger)*
ADMINISTRATION, ORAL; BLOOD SUGAR (analysis); COMPARATIVE STUDY; DIABETES MELLITUS (drug therapy); FATTY ACIDS, NONESTERIFIED (blood); GLIBENCLAMIDE (administration & dosage, therapeutic use); HYPOGLYCEMIC AGENTS (administration & dosage, therapeutic use); INSULIN (blood); PREDIABETIC STATE (drug therapy); SULFONYLUREA COMPOUNDS (administration & dosage, therapeutic use).

Zimmermann H

[LETTER: LOW-DOSE INSULIN THERAPY IN DIABETIC COMA: DOCUMENTATION OF RESULTING INSULIN LEVELS] Berger M, Cuppers HJ, Berchtold P, Zimmermann H *Dtsch Med Wochenschr 100: 1995-6, 26 Sep 75 (Ger)*

Ziolo T

[THE INFLUENCE OF ATHEROGENIC DIET AND COUMARIN ON THE ACCUMULATION OF TOTAL FATS AND CHOLESTEROL IN THE COMBS OF COCKS (AUTHORS TRANSL.)] Rucinski T, Kadziolka A, Ziolo T *Ann Univ Mariae Curie Sklodowska [Med] 27: 115-22, 1972 (Pol)*

Zis AP

NEUROLEPTIC-INDUCED DEFICITS IN FOOD AND WATER REGULATION: SIMILARITIES TO THE LATERAL HYPOTHALAMIC SYNDROME. Zis AP, Fibiger HC *Psychopharmacologia 43: 63-8, 23 Jul 75 (Eng)*

ANIMAL; APPETITE REGULATION (drug effects); COMPARATIVE STUDY; DEXTRO AMPHETAMINE (pharmacodynamics); DOPAMINE (physiology); DRINKING BEHAVIOR (drug effects); FOOD DEPRIVATION; HALOPERIDOL (pharmacodynamics); HYDROXYDOPAMINE (pharmacodynamics); HYPOTHALAMUS (physiology); INSULIN (pharmacodynamics); MALE; PIMOZIDE (pharmacodynamics); QUININE; RATS; SALINE SOLUTION, HYPERTONIC (pharmacodynamics); SUBSTANTIA NIGRA (physiology); WATER DEPRIVATION.

Zivin JA

THE NYCTHEMERAL RHYTHM OF PLASMA PROLACTIN: EFFECTS OF GANGLIONECTOMY, PINEALECTOMY, CONSTANT LIGHT, CONSTANT DARKNESS OR 6-OH-DOPAMINE ADMINISTRATION. Kizer JS, Zivin JA, Jacobowitz DM, Kopin IJ *Endocrinology 96: 1230-40, May 75 (Eng)*

Zivkoic RV

REGIONAL DISTRIBUTION OF ADENINE NUCLEOTIDES, GLYCOGEN, GLUCOSE AND LACTATE IN THE ADULT RAT BRAIN. Zivkoic RV, Mrsulja BB, Djuricic BM *Experientia 31: 404-6, 15 Apr 75 (Eng)*

ADENINE NUCLEOTIDES (analysis); ADENOSINE DIPHOSPHATE (analysis); ADENOSINE MONOPHOSPHATE (analysis); ADENOSINE TRIPHOSPHATE (analysis); AGE FACTORS; ANIMAL EXPERIMENTS; CEREBELLUM (analysis); FRONTAL LOBE (analysis); GLUCOSE (analysis); GLYCOGEN (analysis); LACTATES (analysis); MALE; MEDULLA OBLONGATA (analysis); RATS.

Zmijewski MJ Jr

DUAL EFFECTS OF GLUCOSE ON DICARBOXYLIC ACID TRANSPORT IN KLUYVEROMYCES LACTIS. Zmijewski MJ Jr, MacQuillan AM *Can J Microbiol 21: 473-80, Apr 75 (Eng)*
ASCOMYCETES (metabolism); AZIDES (pharmacodynamics); BIOLOGICAL TRANSPORT, ACTIVE (drug effects); DICARBOXYLIC ACIDS (metabolism); DINITROPHENOLS (pharmacodynamics); ENDOMYCETALS (metabolism, growth & development); FUMARATES (metabolism); GLUCOSE (pharmacodynamics); HYDROGEN ION CONCENTRATION; IODOACETATES (pharmacodynamics); KETOGLUTARIC ACIDS (metabolism); MALATES (metabolism); SUCCINATES (metabolism); TEMPERATURE.

Zoccarato F

PHOSPHATE TRANSPORT ACROSS THE MITOCHONDRIAL MEMBRANE: THE INFLUENCE OF THIOL OXIDATION AND OF MG&& ON INHIBITION BY MERCURIALS. Silprandi D, Toninello A, Zoccarato F, Bindoli A *FEBS Lett 51: 15-7, 1 Mar 75 (Eng)*

Zollner N

[GLUCOSE IN PARENTERAL FEEDING] Heuckenkamp PU, Zollner N *Infusionstherapie 1: 565-8, Oct 74 (Ger)*

[LIPOATROPHIC DIABETES. REPORT OF A CASE (AUTHORS TRANSL.)] Zollner N, Dorfler H, Wolfram G *Munch Med Wochenschr 117: 1209-14, 18 Jul 75 (Ger)*

ADULT; BASAL METABOLISM; BLOOD SUGAR (analysis); BONE CYST (complications); CASE REPORT; DIABETES MELLITUS (diagnosis, complications); ENGLISH ABSTRACT; FEMALE; GLUCOSE (metabolism); GLYCOSURIA; HEPATOMEGALY (complications); HUMAN; HYPERLIPEMIA (complications); INSULIN RESISTANCE; LIPODYSTROPHY (complications); OSTEOPOROSIS (complications); SPLENOMEGALY (complications).

Zolotareva NN

[ROLE OF HOMEOSTASIS IN ANIMAL RADIOSENSITIVITY] Gravskaja BM, Nechaev IA, Zolotareva NN *Zh Obshch Biol 36: 135-41, Jan-Feb 1975 (Rus)*

Zoppi S

CLINICAL EVALUATION OF TIBRIC ACID (CP 18,524) A NEW HYPOLIPIDEMIC AGENT. Sirtori CR, Zoppi S, Quarisa B, Agradi E *Pharmacol Res Commun 6: 445-56, Oct 74 (Eng)*

Zschocke D

[ETHANOL ELIMINATION IN CHILDHOOD] Schippan R, Wagler S, Zschocke D *Kinderaerztl Prax 43: 193-201, May 75 (Ger)*

Zucker LM

EFFICIENCY OF ENERGY UTILIZATION BY THE ZUCKER HEREDITARILY OBESE RAT FATTY (38569). Zucker LM *Proc Soc Exp Biol Med 148: 498-500, Feb 75 (Eng)*

Diabetes Literature—Author Index

Anonymous

ANIMAL EXPERIMENTS; BODY COMPOSITION; BODY WEIGHT; COMPARATIVE STUDY; DIET; ENERGY METABOLISM; FEMALE; LIPIDS (metabolism); MALE; NITROGEN (metabolism); OBESITY (familial & genetic, metabolism); RATS (physiology); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Zuckerman L

GASTRIC OPERATIONS AND GLUCOSE HOMEOSTASIS. II. GLUCAGON AND SECRETIN. Breuer RI, Zuckerman L, Hauch TW, Green W, OGara P, Lawrence AM, Foa PP, Matsuyama T *Gastroenterology* 69: 598-606, Sep 75 (Eng)

Zuhlik H

[ISOLATION AND PROPERTIES OF AN INSULIN-LIKE PEPTIDE FROM A HIGH MOLECULAR A-COMPONENT OF COMMERCIAL BOVINE INSULIN] Zuhlik H, Kohner KD, Wilke B, Schmidt S *Acta Biol Med Ger* 33: 399-406, 1974 (Ger)

AMINO ACIDS (analysis); ANIMAL; BUFFERS; CATTLE; CHROMATOGRAPHY, ION EXCHANGE; ENGLISH ABSTRACT; INSULIN (isolation & purification); MOLECULAR WEIGHT; PEPTIDES (isolation & purification); PHILIPPINES; PROINSULIN (isolation & purification).

CATABOLISM OF PROINSULIN AND INSULIN. PROTEOLYTIC ACTIVITIES IN LANGERHANS ISLETS OF RAT AND MICE PANCREAS IN VITRO. Zuhlik H, Jahr H, Schmidt S, Gottschling D, Wilke B, Kansy H, Kaleta C, Pieper I *Acta Biol Med Ger* 33: 407-18, 1974 (Eng)

AMYLASE (metabolism); ANIMAL; ANTIGENS; CLOSTRIDIOPOLYMERASE A (metabolism); CYTOCHROME OXIDASE (metabolism); IN VITRO; INSULIN (metabolism, biosynthesis); ISLANDS OF LANGERHANS (metabolism, enzymology); MALATE DEHYDROGENASE (metabolism); MICE; PHILIPPINES; PROINSULIN (metabolism); RATS; TRYPSIN (metabolism).

Zukauskas C

THE PROBLEMS OF ABDOMINAL OPERATIONS IN ELDERLY PATIENTS. Szauer JS, Zukauskas C *Geriatrics* 30: 57-9, 63-4, Sep 75 (Eng)

Zuliani U

CLINICAL EXPERIENCES ON THERAPEUTIC MEASURES OF OBESITY. Strata A, Zuliani U, Cucurachi L, Dellanna A *G Clin Med* 55: 718-31, Oct 74 (Eng)

Zull JE

STUDIES OF A SERUM ALBUMIN-LIPOSOPE COMPLEX AS A MODEL LIPOPROTEIN MEMBRANE. Sogor BV, Zull JE *Biochim Biophys Acta* 375: 363-80, 14 Feb 75 (Eng)

Anonymous

EDITORIAL: RENAL TRANSPLANTATION IN DIABETES. Anonymous *Br Med J* 3: 397, 16 Aug 75 (Eng)

DIABETIC NEPHROPATHIES (therapy); HUMAN; KIDNEY (transplantation); TRANSPLANTATION, HOMOLOGOUS.

CARBOHYDRATE METABOLISM IN PREGNANCY. PART II. RELATION BETWEEN MATERNAL GLUCOSE TOLERANCE AND GLUCOSE METABOLISM IN THE NEWBORN. Anonymous *Br Med J* 3: 402-4, 16 Aug 75 (Eng)

BLOOD SUGAR; DIURNAL RHYTHM; FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; INFANT, NEWBORN; INSULIN (blood); MATERNAL-FETAL EXCHANGE; PREGNANCY IN DIABETES (blood); PREGNANCY TRIMESTER, THIRD; PREGNANCY.

[DISCUSSION ON PARENTERAL ADMINISTRATION OF DIETARY CARBOHYDRATES] Anonymous *Infusionstherapie* 1: 578-80, Oct 74 (Ger)

DIETARY CARBOHYDRATES (administration & dosage, metabolism); FEMALE; FRUCTOSE (metabolism); GLUCOSE (metabolism); HUMAN; LIVER (metabolism); MALE; PARENTERAL FEEDING; PREDIABETIC STATE (metabolism); PREGNANCY IN DIABETES (metabolism); PREGNANCY; SORBITOL (metabolism); URIC ACID (metabolism); XYLITOL (metabolism).

END-STAGE DIABETIC NEPHROPATHY. INTRODUCTION TO THE SYMPOSIUM. Anonymous *Kidney Int* [Suppl] 1, Oct 74 (Eng)

DIABETIC NEPHROPATHIES; HUMAN. **END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: TECHNICAL ASPECTS OF DIALYSIS.** Anonymous *Kidney Int* [Suppl] 115-28, Oct 74 (Eng)

ADULT; AGED; ARTERIOVENOUS SHUNT, SURGICAL (instrumentation); BLOOD; CAROTID ARTERIES (transplantation); CATTLE; CREATININE (blood); DIABETES MELLITUS, JUVENILE (prevention & control); DIABETIC ANGIOPATHIES (etiology); DIABETIC NEPHROPATHIES (therapy, mortality); DIABETIC NEUROPATHIES (etiology); DIABETIC RETINOPATHY (etiology); FEMALE; HEMODIALYSIS; HEMODIALYSIS, HOME; HUMAN; HYDROGEN-ION CONCENTRATION; INSULIN (therapeutic use); KIDNEY FAILURE, CHRONIC (therapy); MALE; MIDDLE AGE; MYOCARDIAL INFARCT (etiology); TRANSPLANTATION, HETEROLOGOUS; UNITED STATES.

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: PROBLEMS IN TRANSPLANTATION. Anonymous *Kidney Int* [Suppl] 133-40, Oct 74 (Eng)

ADOLESCENCE; ADULT; CADAVER; CHILD; PRESCHOOL; DIABETIC NEPHROPATHIES (surgery, rehabilitation, mortality); FEMALE; GRAFT REJECTION (prevention & control); HEMODIALYSIS; HUMAN; KIDNEY (transplantation); LEGISLATION, MEDICAL; METHYLPREDNISOLONE (therapeutic use, analogs & derivatives); POSTOPERATIVE COMPLICATIONS; PREDNISONE (therapeutic use); SURGICAL WOUND INFECTION (etiology); TISSUE DONORS; TRANSPLANTATION, HOMOLOGOUS; URINARY FISTULA (etiology); VIRUS DISEASES (prevention & control).

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: PSYCHOSOCIAL PROBLEMS. Anonymous *Kidney Int* [Suppl] 159-63, Oct 74 (Eng)

ADOLESCENCE; ADULT; BLINDNESS (etiology); DIABETIC NEPHROPATHIES (complications, therapy, surgery); FAMILY CHARACTERISTICS; FEMALE; HEMODIALYSIS; HUMAN; IMPOTENCE (etiology, surgery); KIDNEY FAILURE, CHRONIC (complications); KIDNEY (transplantation); MALE; PARENT-CHILD RELATIONS; PENIS (surgery); PSYCHOLOGY; SILICONE ELASTOMERS; SOCIAL ADJUSTMENT; SOCIAL SERVICE; TRANSPLANTATION, HOMOLOGOUS.

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: GENERAL TOPICS AND SUMMARY. Anonymous *Kidney Int* [Suppl] 179-86, Oct 74 (Eng)

ADULT; AGED; ANIMAL; BASEMENT MEMBRANE (pathology); DIABETES MELLITUS (surgery, complications, prevention & control); DIABETIC ANGIOPATHIES (prevention & control); DIABETIC NEPHROPATHIES (therapy, surgery); DIABETIC RETINOPATHY (surgery); HEMODIALYSIS; HUMAN; ISLANDS OF

LANGERHANS (transplantation); KIDNEY (transplantation); MIDDLE AGE; MONKEYS; PANCREAS (transplantation); TISSUE DONORS; TRANSPLANTATION, HOMOLOGOUS.

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: THE PROBLEM OF END-STAGE DIABETIC NEPHROPATHY. Anonymous *Kidney Int* [Suppl] 21-6, Oct 74 (Eng)

ADULT; AGED; CHILD; DIABETES MELLITUS, JUVENILE (complications, mortality); DIABETIC NEPHROPATHIES (mortality, therapy); HEMODIALYSIS; HUMAN; KIDNEY FAILURE, CHRONIC (etiology, complications, mortality, therapy); KIDNEY (transplantation); MIDDLE AGE; PROTEINURIA (etiology); RETROSPECTIVE STUDIES; TISSUE DONORS; TRANSPLANTATION, HOMOLOGOUS.

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: VASCULAR AND VISUAL COMPLICATIONS. Anonymous *Kidney Int* [Suppl] 41-6, Oct 74 (Eng)

ANGINA PECTORIS (etiology); ANIMAL; BLINDNESS (etiology); CEREBROVASCULAR DISORDERS (etiology); COMPARATIVE STUDY; DIABETES MELLITUS (complications); DIABETIC ANGIOPATHIES (mortality); DIABETIC NEPHROPATHIES (therapy); DIABETIC RETINOPATHY (etiology); DYSPNEA (etiology); HEART DISEASES (etiology); HEMODIALYSIS (adverse effects); HUMAN; HYPERTENSION (etiology); HYPOTENSION (etiology); KIDNEY GLOMERULUS (pathology); KIDNEY (transplantation); MIDDLE AGE; RATS; TIME FACTORS; TRANSPLANTATION, HOMOLOGOUS; UNITED STATES.

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: METABOLIC COMPLICATIONS. Anonymous *Kidney Int* [Suppl] 73-6, Oct 74 (Eng)

ADRENAL GLAND HYPOFUNCTION (diagnosis); ANIMAL; DIABETES MELLITUS (complications, metabolism); DIABETIC NEPHROPATHIES (surgery); DOGS; GLUCAGON (blood); GLUCOSE (metabolism); HUMAN; HYPERCALCEMIA (etiology); HYPERLIPIDEMIA (etiology); HYPERPARATHYROIDISM, SECONDARY (metabolism); INSULIN (therapeutic use, secretion); KIDNEY (transplantation); METABOLIC DISEASES (etiology); NEPHRECTOMY; NITROGEN (metabolism); RATS; TRANSPLANTATION, HOMOLOGOUS.

END-STAGE DIABETIC NEPHROPATHY. DISCUSSION: NEUROLOGIC COMPLICATIONS. Anonymous *Kidney Int* [Suppl] 95-9, Oct 74 (Eng)

BLADDER, NEUROGENIC (etiology); BLOOD PRESSURE; DIABETES MELLITUS (complications, physiopathology); DIABETIC NEPHROPATHIES (complications, therapy, physiopathology); DIABETIC NEUROPATHIES (complications, physiopathology); DIARRHEA (etiology); HEMODIALYSIS; HUMAN; IMPOTENCE (etiology); INTESTINAL DISEASES (complications); LIFE EXPECTANCY; MALE; MIDDLE AGE; PERIPHERAL NERVE DISEASES (etiology); PERITONEAL DIALYSIS; URINARY TRACT INFECTIONS (etiology).

ORAL HYPOGLYCAEMICS IN DIABETES MELLITUS. Anonymous *Lancet* 2: 489-91, 13 Sep 75 (Eng)

ADMINISTRATION, ORAL; CARDIOVASCULAR DISEASES (chemically induced); DIABETES MELLITUS (prevention & control); HUMAN; HYPOGLYCEMIC AGENTS (adverse effects); MIDDLE AGE; PHENFORMIN (adverse effects, therapeutic use, administration & dosage); PLACEBO; TOLBUTAMIDE (adverse effects, therapeutic use, administration & dosage).

[RADIOCINEMATOGRAHY] Anonymous *Minerva Cardiol* 22: 391-2, May 74 (Ita)

Anonymous

ARTERIOSCLEROSIS OBLITERANS (radiography); ARTERIOSCLEROSIS (radiography); CINERADIOGRAPHY (instrumentation); DIABETIC ANGIOPATHIES (radiography); HUMAN.

STIMULATION OF GROWTH HORMONE SECRETION BY LEVODOPA-PROPRANOLOL IN CHILDREN AND ADOLESCENTS. Anonymous *Pediatrics* 56: 262-6, Aug 75 (Eng)

ADOLESCENCE; AGE DETERMINATION BY SKELETON; ARGININE (metabolism); BLOOD SUGAR (analysis); BODY HEIGHT; CHILD; CHILD, PRESCHOOL; DRUG THERAPY, COMBINATION; GLUCOSE TOLERANCE TEST; HUMAN; INSULIN (metabolism); LEVODOPA (pharmacodynamics); PROPRANOLOL (pharmacodynamics); SOMATOTROPIN (secretion, blood).

[TREATMENT OF SEVERE DIABETIC KETOACIDOSIS WITH CONTINUOUS INTRAVENOUS INFUSION OF LOW DOSES OF INSULIN] Anonymous *Tidsskr Nor Laegeforen* 95: 1415-6, 10 Sep 75 (Nor)

ACIDOSIS, DIABETIC (drug therapy); ADULT; ENGLISH ABSTRACT; FEMALE; HUMAN; INJECTIONS, INTRAVENOUS; INSULIN (administration & dosage, therapeutic use); KETO ACIDS (metabolism); MALE; MIDDLE AGE.

EDITORIAL: SAFETY OF SACCHARIN--THE PRESENT STATUS. Anonymous *Ceylon Med J* 19: 129-30, Dec 74 (Eng)

ANIMAL EXPERIMENTS; BLADDER NEOPLASMS (chemically induced); HUMAN; RATS; SACCHARIN (adverse effects, administration & dosage); UNITED STATES FOOD AND DRUG ADMINISTRATION; UNITED STATES.

LETTER: FAT CELLS IN CHILDHOOD OBESITY. Anonymous *Lancet* 1: 224, 25 Jan 75 (Eng)

ADIPOSE TISSUE (pathology); AGE FACTORS; CHILD; CHILD, PRESCHOOL; HUMAN; INFANT; MALE; OBESITY (pathology); SEX FACTORS; SKINFOLD THICKNESS.

SUCROSE, STARCH AND HYPERLIPIDEMIA. Anonymous *Nutr Rev* 33: 44-5, Feb 75 (Eng)

CARBOHYDRATES (metabolism); CHOLESTEROL (blood); DIETARY CARBOHYDRATES (administration & dosage); ENERGY METABOLISM; HUMAN; HYPERLIPIDEMIA (etiology); MALE; STARCH (pharmacodynamics, administration & dosage); SUCROSE (pharmacodynamics, administration & dosage); TRIGLYCERIDES (blood).

EFFECT OF (-)-HYDROXYCITRATE ON LIPOGENESIS, APPETITE AND BODY WEIGHT IN RATS. Anonymous *Nutr Rev* 33: 53-5, Feb 75 (Eng)

ANIMAL EXPERIMENTS; APPETITE (drug effects); ATP CITRATE LYASE (antagonists & inhibitors); BODY COMPOSITION (drug effects); BODY WEIGHT (drug effects); CITRATES (pharmacodynamics); FEMALE; HYDROXY ACIDS (pharmacodynamics); LIPIDS (biosynthesis, metabolism); RATS; STEREOISOMERS.

MODULATION OF CELL SURFACE STRUCTURE AND FUNCTION. Anonymous *Adv Exp Med Biol* 51: 101-61, 1974 (Eng)

AMINO ACID SEQUENCE; AMINO ACIDS (analysis); ANIMAL EXPERIMENTS; BINDING SITES; CELL ADHESION; CELL AGGREGATION; CELL DIVISION; CELL MEMBRANE (ultrastructure, physiology, analysis); CONCANAVALIN A; CYTOPLASM (metabolism); GLOBULINS (analysis); GLYCOPROTEINS (analysis); HUMAN; HYDROCORTISONE (metabolism); LIPIDS (analysis); LYMPHOCYTES (analysis, ultrastructure); MEMBRANES, ARTIFICIAL; MICROTUBULES (ultrastructure); MITOGENS; MODELS, BIOLOGICAL; PROTEIN BINDING; RECEPTORS, HORMONE.

BIOLOGICAL ACTIVITIES SOLUBILIZED CELL SURFACE COMPONENTS. Anonymous *Adv Exp Med Biol* 51: 163-241, 1974 (Eng)

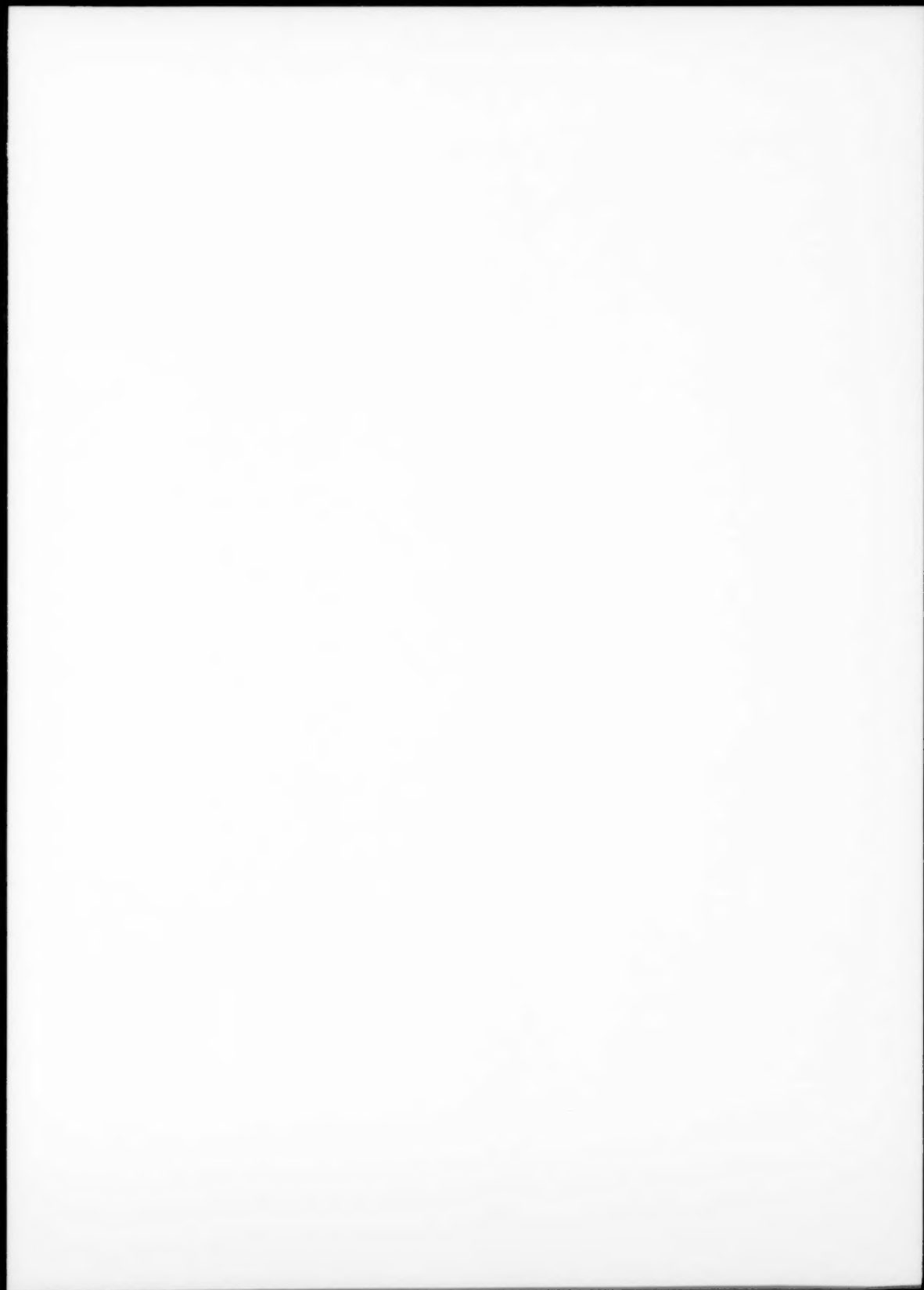
ADENYL CYCLASE (metabolism); ANIMAL EXPERIMENTS; ANTIGEN-ANTIBODY REACTIONS; ANTIGENS; AUTOIMMUNE DISEASES; CELL MEMBRANE (analysis, enzymology); CELL TRANSFORMATION, NEOPLASTIC; CHALONES (metabolism); CHROMOSOME MAPPING; ENZYME ACTIVATION; GENES; GRANULOCYTES (metabolism); HEMAGGLUTINATION TESTS; HISTOCOMPATIBILITY ANTIGENS; HUMAN; LYMPHOCYTES (analysis); RECEPTORS, HORMONE; SPLEEN; TRANSPLANTATION, HOMOLOGOUS.

EDITORIAL: FREE FATTY ACIDS AND ARRHYTHMIAS AFTER ACUTE MYOCARDIAL INFARCTION. Anonymous *Lancet* 1: 313-4, 8 Feb 75 (Eng)

ANIMAL EXPERIMENTS; ARRHYTHMIA (etiology, drug therapy); CATECHOLAMINES (metabolism); DOGS; FATTY ACIDS, NONESTERIFIED (metabolism, blood); HUMAN; MYOCARDIAL INFARCT (complications, blood, metabolism); MYOCARDIUM (metabolism); NICOTINIC ACIDS (analogs & derivatives, therapeutic use).

LETTER: HIGH-DENSITY LIPOPROTEIN AND ATHEROSCLEROSIS. Anonymous *Lancet* 1: 691, 22 Mar 75 (Eng)

AGE FACTORS; ARTERIOSCLEROSIS (etiology); BLOOD SUGAR (analysis); CHOLESTEROL (blood, metabolism); COMPARATIVE STUDY; FEMALE; HUMAN; HYPERLIPIDEMIA, ESSENTIAL FAMILIAL (blood); LIPOPROTEINS, HDL (blood); LIPOPROTEINS, LDL (blood); MALE; OBESITY (blood); SEX FACTORS; TRIGLYCERIDES (blood).



DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
NATIONAL INSTITUTES OF HEALTH
BETHESDA, MD. 20014
OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF H.E.W.

HEW 394



CORRESPONDENCE CONCERNING THIS PUBLICATION

PAID SUBSCRIPTIONS: If your address has changed and you wish to continue receiving this publication, please check here, enclose address label from this publication and your new address, and send to:

SUPERINTENDENT OF DOCUMENTS
U.S. GOVERNMENT PRINTING OFFICE
WASHINGTON, D.C. 20402

FREE SUBSCRIPTIONS: If your address has changed and you wish to continue receiving this publication, please check here, enclose address label from this publication and your new address, and send to:

SCIENTIFIC COMMUNICATIONS OFFICE
NATIONAL INSTITUTE OF ARTHRITIS, METABOLISM,
AND DIGESTIVE DISEASES
NATIONAL INSTITUTES OF HEALTH
BUILDING 31, ROOM 9A-03
BETHESDA, MARYLAND 20014

Individual copies should be purchased from the Superintendent of Documents.

